

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 31, 2004, 05:18:38 ; Search time 40.6513 Seconds  
(without alignments)  
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Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

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Post-processing: Minimum Match 0%  
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

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## ALIGNMENTS

## RESULT 1

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; Sequence 28, Application US/09564805  
; Patent No. 633403  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
; FILE REFERENCE: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
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; OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at  
; OTHER INFORMATION: positions 22211 and 23879 is A or G.

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LOCATION: 1737..1775
PUBLICATION INFORMATION:
AUTHORS: Minghetti, P
AUTHORS: Ruffner, D E
AUTHORS: Kuang, W-J
AUTHORS: Dennison, O E
AUTHORS: Hawkins, J W
AUTHORS: Beattie, W G
AUTHORS: Dugaiczky, A
TITLE: MOLECULAR STRUCTURE OF THE HUMAN ALBUMIN
TITLE: GENE IS REVEALED BY NUCLEOTIDE SEQUENCE WITHIN
TITLE: q11-22 OF CHROMOSOME 4
JOURNAL: J. Biol. Chem.
VOLUME: 261
PAGES: 6747-6757
DATE: 1986
RELEVANT RESIDUES IN SEQ ID NO: 36: FROM 1 TO 19011
US-08-310-356-36

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Matches 129; Conservative 0; Mismatches 29; Indels 0

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Db 3038 TTATTTTTTTTTTTTTTTTAACAGAGGGTCTCGTCTGTGCCCGCAGCTGGG|||||
QY 247 GGCGCATTCGACTCACCCCAACCTCCGGCTCCGGGCTTTAAGCGATTCTTCCTC|||
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Search completed: July 31, 2004, 07:25:55  
Job time : 43.6513 secs

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GenCore version 5.1.6  
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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ALIGNMENTS

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; APPLICANT: Tavtigan, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,626  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
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; OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;  
; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:  
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; NAME/KEY: variation
; LOCATION: (826)..(23879)
; OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at
; OTHER INFORMATION: positions 1914, 5568, 7165, 16433, 1857 and 20486
; OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at
; OTHER INFORMATION: positions 22211 and 23879 is A or G.
US-09-988-626-28

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; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988.687

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; Sequence 102, Application US/09771357  
; Publication No. US20030017454A1  
; GENERAL INFORMATION:  
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE  
; APPLICANT: SUKUMAR, Saraswati  
; APPLICANT: EVRON, Ella  
; APPLICANT: DOOLEY, William  
; APPLICANT: DAVIDSON, Nancy  
; TITLE OF INVENTION: ABERRANTLY METHYLATED GENES AS MARKERS OF BREAST MALIGNANCY  
; FILE REFERENCE: JHU1630  
; CURRENT FILING DATE: 2001-01-26  
; CURRENT APPLICATION NUMBER: US/09/771.357  
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; SOFTWARE: PatentIn version 3.0  
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; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-771-357-102

Query Match 24.1%; Score 120.4; DB 13; Length 10034;

Best Local Similarity 74.3%; Pred. No. 1.3e-23;  
Matches 165; Conservative 0; Mismatches 56; Indels 1; Gaps 1;

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Db 5886 AGTCTGATCCAAAGATACTAGTCTATTCTGTATCTCATAGACAAACATACATATTCAC 5945  
QY 184 TTGTTTGTGTTTGTGTTTGTGAGACAGGCTCTGAGGTGTCACCCAGGCTGGAGTGCA 243  
Db 5946 TTTTGTGTTGTTTGTGTTTGTGAGACGGAGTCTTGCTCTGTACCCAGGCTGGAGTGCA 6005  
QY 244 GTGGCGGAGATTGCACTACCGCAACCTCGGCTT-CGGCGCTTAAGCGATTCTCTGCT 302  
Db 6006 GTGGCGGAGATTGCACTACCGCAACCTCGGCTTCCGCTCCCGGTTCAAGCGATTCTCTGCT 6065  
QY 303 CAGCTCCCAAGTAGTGGGACTACAGCTACAGCTCGGACCAACG 344  
Db 6066 CAGCCTCCGAGTAGTGGGACTACAGGCATGTGCCACCATG 6107

## RESULT 12

US-10-059-579-102  
; Sequence 102, Application US/10059579  
; Publication No. US20030138783A1  
; GENERAL INFORMATION:  
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE  
; APPLICANT: SUKUMAR, Saraswati  
; APPLICANT: EVRON, Ella  
; APPLICANT: DOOLEY, William C.  
; APPLICANT: DAVIDSON, Nancy  
; APPLICANT: FACKLER, Mary Jo.  
; TITLE OF INVENTION: ABERRANTLY METHYLATED GENES AS MARKERS OF BREAST MALIGNANCY  
; FILE REFERENCE: JHU1630-1  
; CURRENT APPLICATION NUMBER: US/10/059,579  
; CURRENT FILING DATE: 2003-02-03  
; PRIOR FILING DATE: 2003-02-03  
; PRIOR APPLICATION NUMBER: US 09/771.357  
; PRIOR FILING DATE: 2001-01-26  
; NUMBER OF SEQ ID NOS: 136  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 102  
; LENGTH: 10034  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-059-579-102

Query Match 24.1%; Score 120.4; DB 15; Length 10034;

Best Local Similarity 74.3%; Pred. No. 1.3e-23;

Matches 165; Conservative 0; Mismatches 56; Indels 1; Gaps 1;  
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Db 5886 AGTCTGATCCAAAGATACTAGTCTATTCTGTATCTCATAGACAAACATACATATTCAC 5945  
QY 184 TTGTTTGTGTTTGTGTTTGTGAGACAGGCTCTGAGGTGTCACCCAGGCTGGAGTGCA 243  
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QY 244 GTGGCGGAGATTGCACTACCGCAACCTCGGCTT-CGGCGCTTAAGCGATTCTCTGCT 302  
Db 6006 GTGGCGGAGATTGCACTACCGCAACCTCGGCTTCCGCTCCCGGTTCAAGCGATTCTCTGCT 6065  
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## RESULT 13

US-09-795-668-1  
; Sequence 1, Application US/09795668  
; Patent No. US20020045577A1  
; GENERAL INFORMATION:  
; APPLICANT: Stefansson, Hreinn  
; APPLICANT: Steinhofsdottir, Valgerdur  
; APPLICANT: Gulcher, Jeffrey R.  
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE  
; FILE REFERENCE: 2345.2004-001  
; CURRENT APPLICATION NUMBER: US/09/795,668  
; CURRENT FILING DATE: 2001-02-28  
; PRIOR APPLICATION NUMBER: US 09/515,716  
; PRIOR FILING DATE: 2000-02-28  
; NUMBER OF SEQ ID NOS: 1531  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 1503841  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
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; NAME/KEY: misc feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: r-g or a  
; NAME/KEY: misc feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: y-t/u or c  
; NAME/KEY: misc feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: m-a or c  
; NAME/KEY: misc feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: k-g or t/u  
; NAME/KEY: misc feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: s-g or c  
; NAME/KEY: misc feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: w-a or t/u  
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; LOCATION: (1)...(1531)  
; OTHER INFORMATION: b-g or c or t/u  
; NAME/KEY: misc feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: d-a or g or t/u  
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; LOCATION: (1)...(1531)  
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; NAME/KEY: misc feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: v-a or g or c  
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; OTHER INFORMATION: n-a or g or c or t/u

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/ TYPE: DNA
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/ ORGANISM: Homo sapiens
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/ NAME/KEY: misc_feature
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/ OTHER INFORMATION: n=a or c

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; LOCATION: (I) :  
: OTHER INFORMATION :



GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

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Run on: July 31, 2004, 05:18:38 ; Search time 65.1233 Seconds  
(without alignments)  
6825.753 Million cell updates/sec

Title: US-09-434-382-28\_COPY\_21800\_22600

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Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0  
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Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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2	145.8	18.2	2481	US-09-564-805-1	Sequence 1, Appli
3	145.8	18.2	2892	US-09-564-805-225	Sequence 225, Appli
4	145.8	18.2	2908	US-09-564-805-223	Sequence 223, Appli
5	145.8	18.2	2958	US-09-564-805-3	Sequence 3, Appli
6	138.6	17.3	139	US-09-564-805-20	Sequence 20, Appli
7	102.2	12.8	2470	US-09-564-805-221	Sequence 221, Appli
8	35.8	5.0	7218	US-08-232-483-14	Sequence 14, Appli
9	33.4	4.9	840	US-09-376-728-1	Sequence 1, Appli
10	32.2	4.9	399	US-09-376-728-1	Sequence 1, Appli
11	36.8	4.6	810	US-09-134-001C-1951	Sequence 13, Appli
12	36.6	4.6	19124	US-08-487-826B-13	Sequence 13, Appli
13	36.6	4.6	4403765	US-09-103-840A-2	Sequence 1, Appli
14	36.6	4.6	4411529	US-09-103-840A-1	Sequence 1, Appli
15	36.4	4.5	832	US-09-621-976-2813	Sequence 1, Appli
16	36	4.5	1182	US-09-461-697-261	Sequence 261, Appli
17	36	4.5	2373	US-09-220-132-189	Sequence 189, Appli
18	36	4.5	2664	US-09-149-476-255	Sequence 255, Appli
19	36	4.5	50000	US-09-146-053-4	Sequence 4, Appli
20	35.8	4.5	17056	US-09-245-041-3	Sequence 3, Appli
21	35.2	4.4	843	US-09-328-352-1259	Sequence 1259, Appli
22	35.2	4.4	3253	US-09-759-359A-1	Sequence 1, Appli
23	35	4.4	289	US-09-007-005-17	Sequence 17, Appli
24	35	4.4	289	US-09-244-796-17	Sequence 17, Appli
25	35	4.4	6801	US-10-204-708-62	Sequence 62, Appli
26	34.6	4.3	786431	US-09-751-389-3	Sequence 3, Appli
27	34.4	4.3	479	US-09-621-976-2336	Sequence 2336, Appli

C 28	34.4	4.3	6422	4	US-09-976-594-715	Sequence 715, App
29	34.2	4.3	3036	4	US-09-016-434-1155	Sequence 1155, App
C 30	34	4.2	832	4	US-09-621-976-2813	Sequence 2813, App
31	34	4.2	3785	4	US-09-889-718-1	Sequence 1, Appli
C 32	34	4.2	5852	4	US-09-853-768-10	Sequence 10, Appli
C 33	34	4.2	7037	4	US-09-853-768-3	Sequence 3, Appli
34	33.6	4.2	2885	4	US-09-016-434-1143	Sequence 1143, App
35	33.6	4.2	640681	4	US-09-790-988-1	Sequence 1, Appli
36	33.4	4.2	11049	4	US-10-204-708-23	Sequence 23, Appli
37	33.4	4.2	32000	4	US-10-027-983-11	Sequence 11, Appli
C 38	33.2	4.1	444	4	US-09-134-000C-711	Sequence 711, App
39	33	4.1	858	4	US-09-976-594-290	Sequence 290, App
40	32.8	4.1	1029	4	US-09-328-352-1249	Sequence 1249, App
C 41	32.8	4.1	4385	4	US-10-162-012-43	Sequence 43, Appli
C 42	32.8	4.1	6999	1	US-08-276-594A-1	Sequence 1, Appli
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#### ALIGNMENTS

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; Sequence 28, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 28  
; LENGTH: 26664  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (910)..(13104)  
; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:  
; OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4419;  
; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:  
; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:  
; NAME/KEY: misc feature  
; LOCATION: (13756)..(22917)  
; OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon  
; OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:  
; OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:  
; OTHER INFORMATION: 22172-22310; exon 18: 22879-22917  
; NAME/KEY: misc feature  
; LOCATION: (23045)..(26452)  
; OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon  
; OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:  
; OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation  
; OTHER INFORMATION: signal: 26447-26452  
; NAME/KEY: variation  
; LOCATION: (826)..(23879)  
; OTHER INFORMATION: s at positions 826 and 23180 is G or C; Y at  
; OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486  
; OTHER INFORMATION: is C or T, n at position 13128 is t or tgat; Y at  
; OTHER INFORMATION: positions 22211 and 23879 is A or G.

US-09-564-805-28

Query Match 100.0%; Score 800.6; DB 4; Length 26664;  
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 22520 AGCAGACAGGTTTGTAGTTTACCGACCTTCTTCTGAGCTTGAATCTCACACGCGCTGCT 22579  
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781 CAGCGAAGCTTTGACCGGAT 801  
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RESULT 2  
 US-09-564-805-1  
 ; Sequence 1, Application US/09564805  
 ; Patent No. 6333403  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tavtighian, Sean V.  
 ; APPLICANT: Teng, David H.F.  
 ; APPLICANT: Simard, Jacques  
 ; APPLICANT: Rommens, Johanna M.  
 ; APPLICANT: Myriad Genetics, Inc.

Query Match 100.0%; Score 800.6; DB 4; Length 26664;  
 Best Local Similarity 100.0%; Pred. No. 3.4e-239;  
 Matches 801; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 ; Sequence 1, Application US/09564805  
 ; Patent No. 6333403  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tavtighian, Sean V.  
 ; APPLICANT: Teng, David H.F.  
 ; APPLICANT: Simard, Jacques  
 ; APPLICANT: Rommens, Johanna M.  
 ; APPLICANT: Myriad Genetics, Inc.



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RESULT 8
US-08-232-463-14
; Sequence 14, Application US/08232453
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Hardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:

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RESULT 9
US-09-376-728-1/c
; Sequence 1, Application US/09376728
; Patent No. 637961
; GENERAL INFORMATION:
; APPLICANT: Tarczytski, Mitchell C.
; APPLICANT: Shen, Bo
; TITLE OF INVENTION: Hemoglobin Genes and Their Use
; FILE REFERENCE: 0873

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

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Title: US-09-434-382-28\_COPY\_21800\_22600

Perfect score: 801

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- 13: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq.\*
- 14: /cgn2\_6/ptodata/1/pubpna/US10A\_PUBCOMB.seq.\*
- 15: /cgn2\_6/ptodata/1/pubpna/US10B\_PUBCOMB.seq.\*
- 16: /cgn2\_6/ptodata/1/pubpna/US10C\_PUBCOMB.seq.\*
- 17: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq.\*
- 18: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq.\*
- 19: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	800.6	100.0	26664	10	US-09-988-626-28
2	800.6	100.0	26664	10	US-09-988-626-28
3	800.6	100.0	26664	10	US-09-988-626-28
4	145.8	18.2	2481	10	US-09-988-626-1
5	145.8	18.2	2481	10	US-09-988-626-1
6	145.8	18.2	2481	10	US-09-988-626-1
7	145.8	18.2	2481	10	US-09-988-626-1
8	145.8	18.2	2481	10	US-09-988-626-1
9	145.8	18.2	2481	10	US-09-988-626-1
10	145.8	18.2	2481	10	US-09-988-626-1
11	145.8	18.2	2481	10	US-09-988-626-1
12	145.8	18.2	2481	10	US-09-988-626-1
13	145.8	18.2	2481	10	US-09-988-626-1
14	145.8	18.2	2481	10	US-09-988-626-1

15	145.8	18.2	2958	10	US-09-988-686-3
16	144.2	18.0	2907	16	US-10-108-260A-282
17	138.6	17.3	139	10	US-09-988-626-20
18	138.6	17.3	139	10	US-09-988-687-20
19	138.6	17.3	139	10	US-09-988-686-20
20	102.2	12.8	2470	10	US-09-988-626-221
21	102.2	12.8	2470	10	US-09-988-687-221
22	102.2	12.8	2470	10	US-09-988-686-221
23	41	5.1	310	13	US-10-424-599-13701
24	40.6	5.1	377	13	US-10-424-599-32870
25	40.4	5.0	6121	13	US-10-221-613-45
26	40.4	5.0	6121	15	US-10-240-485-31
27	40	5.0	552	16	US-10-260-238-5036
28	40	5.0	10710	15	US-10-311-455-866
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30	39.2	4.9	1152	9	US-09-764-847-1517
31	39.2	4.9	1152	15	US-10-092-154-1517
32	39.2	4.9	1655	9	US-09-764-847-1518
33	39.2	4.9	1655	15	US-10-092-154-1518
34	38.8	4.8	1732	9	US-09-764-853-379
35	38.8	4.8	1732	15	US-10-091-438-28
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45	37.2	4.6	1820	13	US-10-424-599-82084

ALIGNMENTS

RESULT 1

US-09-988-626-28  
; Sequence 28, Application US/09988626  
; Publication No. US20030044959A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigan, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,626  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 28  
; LENGTH: 26664  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (910)..(13104)  
; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:  
; OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4416;  
; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:  
; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:  
; NAME/KEY: misc feature  
; LOCATION: (13756)..(22917)

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Sequence 20, Appl  
Sequence 20, Appl  
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Sequence 221, App  
Sequence 221, App  
Sequence 221, App  
Sequence 13701, A  
Sequence 32870, A  
Sequence 45, Appl  
Sequence 31, Appl  
Sequence 5036, Ap  
Sequence 866, App  
Sequence 135711,  
Sequence 1517, Ap  
Sequence 1518, Ap  
Sequence 1518, Ap  
Sequence 379, App  
Sequence 28, Appl  
Sequence 3260, Ap  
Sequence 89, Appl  
Sequence 2128, Ap  
Sequence 1, Appli  
Sequence 13205, A  
Sequence 2166, Ap  
Sequence 13, Appl  
Sequence 21, Appl  
Sequence 21, Appli  
Sequence 82084, A

OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon 13: 16278-16416; exon 14: 16498-16583; exon 15: 18583-18701; exon 16: 20349-20445; exon 17: 22172-22310; exon 18: 22879-22917

NAME/KEY: misc feature

LOCATION: (23045)..(26452)

OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon 21: 23973-24093; exon 22: 24354-24432; exon 23: 25026-25170; exon 24: 25812-26036; polyadenylation

OTHER INFORMATION: signal: 26447-26452

NAME/KEY: variation

LOCATION: (826)..(23879)

OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at positions 1914, 5568, 7165, 16431, 1857 and 20486

OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at positions 22211 and 23879 is A or G.

US-09-988-626-28

Query Match 100.0%; Score 800.6; DB 10; Length 26664;

Best Local Similarity 100.0%; Pred. No. 1.6e-234;

Mismatches 0; Conservative 0; Indels 0; Gaps 0;

Matches 801;

1 AGTGCCTGCTCTGTTATTTTCAACAGAGGCTGTGGCCACAGTCAATCTGCATGTCAGAT 60

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61 TCATTGTTAGGACTAAATGCTTTAAGCCTCCTATAAACTTTTTTTTTTTTTTTTGTATGC 120

21860 TCATTGTTAGGACTAAATGCTTTAAGCCTCCTATAAACTTTTTTTTTTTTTTTTGTATGC 21919

121 CCAGCCTTTGTGTAAGTCTACTTGAAGAGGTTTCAGGGTTCATGATGACTTCTTTGCTA 180

21920 CCAGCCTTTGTGTAAGTCTACTTGAAGAGGTTTCAGGGTTCATGATGACTTCTTTGCTA 21979

181 TAAAGAGGATGACATGTAATATCACTTTATGTTTAAATTAATTTGCTTTTATATTAG 240

21980 TAAAGAGGATGACATGTAATATCACTTTATGTTTAAATTAATTTGCTTTTATATTAG 22039

241 CTCTCTCAAGCAAGCAGGAGACAGAAATTTCTGACGTTGCTTTGGTCTCTGTCGCA 300

22040 CTCTCTCAAGCAAGCAGGAGACAGAAATTTCTGACGTTGCTTTGGTCTCTGTCGCA 22099

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22100 ACAGACATCAGCTCTGACCATCAGCAGTCTTCTAGTGGCAGTCTCTCTCTCTCT 22159

361 TCTCTTCTGAGCCGACGACGCTCTCTGCTACTGACTGTGTGGAGGGGACATTTGGGCA 420

22160 TCTCTTCTGAGCCGACGACGCTCTCTGCTACTGACTGTGTGGAGGGGACATTTGGGCA 22219

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22340 AGCCTGGAGAGGACATGCGACAGTGTGGTGGCCCTTTGGCTGCGTCTTTCTCGGCTT 22399

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22400 CCAACTTGGCCAGAGCTTTGTTACTCTGCTAGGAAATGGTTTTTTTGGCAAAAC 22459

661 TCAACATAGTCTTTCTGGCCCAACAAGATGTTCTTCTCTGTTTCTGTTTCTCTCTG 720

22460 TCAACATAGTCTTTCTGGCCCAACAAGATGTTCTTCTCTGTTTCTGTTTCTCTCTG 22519

721 AGCAGGACAGTTTGTAGTTTACCCAGCTTCTTTGAGTCTTGAATCTCACAAGGCTGCT 780

22520 AGCAGGACAGTTTGTAGTTTACCCAGCTTCTTTGAGTCTTGAATCTCACAAGGCTGCT 22579

781 CAGCGGAAGCTTTTGACCGGAT 801

22580 CAGCGGAAGCTTTTGACCGGAT 22600

RESULT 2

US-09-988-687-28

Sequence 28, Application US/09988687

Publication No. US20030045704A1

GENERAL INFORMATION:

APPLICANT: Tavtigian, Sean V.

APPLICANT: Teng, David H.F.

APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.

APPLICANT: Myriad Genetics, Inc.

TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes

FILE REFERENCE: 2318-258

CURRENT APPLICATION NUMBER: US/09/988,687

CURRENT FILING DATE: 2001-11-20

PRIOR APPLICATION NUMBER: 09/564,805

PRIOR FILING DATE: 2000-05-05

PRIOR APPLICATION NUMBER: US 60/107,468

PRIOR FILING DATE: 1998-11-06

PRIOR APPLICATION NUMBER: 09/434,382

PRIOR FILING DATE: 1999-11-05

NUMBER OF SEQ ID NOS: 240

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 28

LENGTH: 26664

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc feature

LOCATION: (9107)..(13104)

OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418; exon 6: 5582-5650; exon 7: 7075-7194; exon 8: 8186-8244; exon 9: 12878-12936; exon 10: 13032-13104;

NAME/KEY: misc feature

LOCATION: (13756)..(22917)

OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon 13: 16278-16416; exon 14: 16498-16583; exon 15: 18583-18701; exon 16: 20349-20445; exon 17: 22172-22310; exon 18: 22879-22917

NAME/KEY: misc feature

LOCATION: (23045)..(26452)

OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon 21: 23973-24093; exon 22: 24354-24432; exon 23: 25026-25170; exon 24: 25812-26036; polyadenylation

OTHER INFORMATION: signal: 26447-26452

NAME/KEY: variation

LOCATION: (826)..(23879)

OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at positions 1914, 5568, 7165, 16431, 1857 and 20486

OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at positions 22211 and 23879 is A or G.

US-09-988-687-28

Query Match 100.0%; Score 800.6; DB 10; Length 26664;

Best Local Similarity 100.0%; Pred. No. 1.6e-234;

Mismatches 0; Conservative 0; Indels 0; Gaps 0;

Matches 801;

1 AGTGCCTGCTCTGTTATTTTCAACAGAGGCTGTGGCCACAGTCAATCTGCATGTCAGAT 60

21800 AGTGCCTGCTCTGTTATTTTCAACAGAGGCTGTGGCCACAGTCAATCTGCATGTCAGAT 21859

61 TCATTGTTAGGACTAAATGCTTTAAGCCTCCTATAAACTTTTTTTTTTTTTTTTGTATGC 120

21860 TCATTGTTAGGACTAAATGCTTTAAGCCTCCTATAAACTTTTTTTTTTTTTTTTGTATGC 21919

Qy	121	CGAGCCTTTGTTAAAGTCTACTTCTTAAAGGGTTTCAGGGTTTCATGGATCTCTTTTGCTA	180
Db	21920	CCAGCCTTTTGTGTAAGTCTACTTCTTAAAGGGTTTCAGGGTTTCATGGATCTCTTTTGCTA	21979
Qy	181	TAAAGAGATGACACATGTAAAAATCACCTTTATGTGTTAAATTAATGGCTTTTATATTAG	240
Db	21980	TAAAGAGATGACACATGTAAAAATCACCTTTATGTGTTAAATTAATGGCTTTTATATTAG	22039
Qy	241	CTCCTCAAGCAAGACGAGGAGACAGAAATTTCTGCAGTTGCTTCTTGCTCCTCTCCAA	300
Db	22040	CTCCTCAAGCAAGACGAGGAGACAGAAATTTCTGCAGTTGCTTCTTGCTCCTCTCCAA	22099
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Db	22100	AGCAGACATCAGCGCTCTGAAACCATCAGCAGTCTTCTAGTGGCAGTGACTCTCTTCCTCT	22159
Qy	361	TCTCTTCTGAGCCCGCACACGTCCTCTGCTACTGGACTGTGTGAGGGCACRTTTTGGCA	420
Db	22160	TCTCTTCTGAGCCCGCACACGTCCTCTGCTACTGGACTGTGTGAGGGCACRTTTTGGCA	22219
Qy	421	GCTGTGCCGTCAATTACGGAGACCCAGGTGGACAGGGTCCCTGGGCACCCCTGGCTGCTGTT	480
Db	22220	GCTGTGCCGTCAATTACGGAGACCCAGGTGGACAGGGTCCCTGGGCACCCCTGGCTGCTGTT	22279
Qy	481	TGTGTCCCACTGCACCGCAGATCACACACGGTGAAGTTTGGCTTGGACCACAAAAGCTGG	540
Db	22280	TGTGTCCCACTGCACCGCAGATCACACACGGTGAAGTTTGGCTTGGACCACAAAAGCTGG	22339
Qy	541	AGCTTGAGGAGGACCTGCCAGTTCAGTTGACCTTTGGCTGCGCTCTTTTCTCCGCTT	600
Db	22340	AGCTTGAGGAGGACCTGCCAGTTCAGTTGACCTTTGGCTGCGCTCTTTTCTCCGCTT	22399
Qy	601	CCAAACTTGCCAGAGCTTTTGTACTCATCTCTGGCTAGGAAATGGTTTTTGCAAAAC	660
Db	22400	CCAAACTTGCCAGAGCTTTTGTACTCATCTCTGGCTAGGAAATGGTTTTTGCAAAAC	22459
Qy	661	TCACATAGTCCCTTCGGCCACAGAATGTCTTCTCTCCNGTTCAAGTTCTTCTTCCTGC	720
Db	22460	TCACATAGTCCCTTCGGCCACAGAATGTCTTCTCTCCNGTTCAAGTTCTTCTTCCTGC	22519
Qy	721	AGCAGACAGGTTTGAGTTTACCACGCTTCTCTTGAAGTCTTGAATCTCACACGGGCTGCT	780
Db	22520	AGCAGACAGGTTTGAGTTTACCACGCTTCTCTTGAAGTCTTGAATCTCACACGGGCTGCT	22579
Qy	781	CAGCGGAAGCTTTGACCGGAT	801
Db	22580	CAGCGGAAGCTTTGACCGGAT	22600

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RESULT 3
US-09-988-686-28
; Sequence 28, Application US/09988686
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/989,686
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28

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? LENGTH: 26664
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? TYPE: DNA
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? ORGANISM: Homo sapiens
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? FEATURE:
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? NAME/KEY: misc feature
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? LOCATION: (910)..(13104)
?
? OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
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? OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
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? OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
?
? OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
?
? OTHER INFORMATION: 13032-13104;
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? NAME/KEY: misc feature
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? LOCATION: (13756)..(22917)
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? OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon
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? OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
?
? OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
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? OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
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? NAME/KEY: misc feature
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? LOCATION: (23045)..(26452)
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? OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
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? OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:
?
? OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
?
? OTHER INFORMATION: signal: 26447-26452
?
? NAME/KEY: variation
?
? LOCATION: (826)..(23879)
?
? OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at
?
? OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
?
? OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at
?
? OTHER INFORMATION: positions 22211 and 23879 is A or G.
?
? US-09-988-686-28

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Query Match	100.0%;	Score	800.6;	DB	10;	Length	26664;
Best Local Similarity	100.0%;	Pred. No.	1.6e-234;				
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Gaps	0;						
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Db	21800	AGTGCCCTGTCCTGGTATTTTCAACAGAGGCTGTGGCCACAGTCANCTGCATGGTCAGAT	21859				
QY	61	TCATTTGTAAGGACTAAATGCTTTTAAGCCTCCATATAAACTTTTTTTTTTTTTTTTTTTTGATGC	120				
Db	21860	TCATTTGTAAGGACTAAATGCTTTTAAGCCTCCATATAAACTTTTTTTTTTTTTTTTTTTTGATGC	21919				
QY	121	CCAGCCCTTTGTGTAGTCTPACTTTGAAGAGGGTTTCAGGGTTCCATGGATACATCTCTTTGGCTA	180				
Db	21920	CCAGCCCTTTGTGTAGTCTPACTTTGAAGAGGGTTTCAGGGTTCCATGGATACATCTCTTTGGCTA	21979				
QY	181	TAAAGAGGTATGACATGCTPAAATCACCTTTATGGTTTAAATTAATTTGGCTTTTATATTAG	240				
Db	21980	TAAAGAGGTATGACATGCTPAAATCACCTTTATGGTTTAAATTAATTTGGCTTTTATATTAG	22039				
QY	241	CTCCTCAAGAACCAAGCAGAGAGACAGAAATTTCTGCAAGTTGCTTCTTTGGTCCCTGTCCAA	300				
Db	22040	CTCCTCAAGAACCAAGCAGAGAGACAGAAATTTCTGCAAGTTGCTTCTTTGGTCCCTGTCCAA	22099				
QY	301	AGCAGACATCAGCCCTCTGAACCATCAGCAGTCTTCCTAGTGCGAGTACTCTCTTCTCTCT	360				
Db	22100	AGCAGACATCAGCCCTGAACCATCAGCAGTCTTCCTAGTGCGAGTACTCTCTTCTCTCT	22159				
QY	361	TCTCTTCTGACGCCCGACAGCTCTCTACTGTGACTGTGGTGAGGCGACRTTTGGGCA	420				
Db	22160	TCTCTTCTGACGCCCGACAGCTCTCTACTGTGACTGTGGTGAGGCGACRTTTGGGCA	22219				
QY	421	GCTGTGCCCTCATTTACGGAGACCAAGGTGGACAGGGTCTCTGGGCAACCTCTGGCTGTGTGT	480				
Db	22220	GCTGTGCCCTCATTTACGGAGACCAAGGTGGACAGGGTCTCTGGGCAACCTCTGGCTGTGTGT	22279				
QY	481	TGTGTCCCACTTGACGAGATCACACCGGTGAGTGTGGGTGTGACCAACAAGCTGG	540				
Db	22280	TGTGTCCCACTTGACGAGATCACACCGGTGAGTGTGGGTGTGACCAACAAGCTGG	22339				
QY	541	AGCTGGAGGAGGCACTGCAGTTTGAAGTTGGCCCTTTTGGCTGGGTCTTTTCTCCCGTTT	600				

Db	22340	AGCCTGGAGGAGGCAC	TGCCACGTTGAGTTGGCTGGCCCTTTGGCTGGCGCTCTTTTCTCCCGCTT	22399
Qy	601	CAAACTTCCCGCAGAGCTTTTGT	TACTCATCTCTGGCTAGGAAATGGTTTTTTCGAAAAC	660
Db	22400	CCAACTTGCCCGAGAGCTTTTGT	TACTCATCTCTGGCTAGGAAATGGTTTTTTCGAAAAC	22459
Qy	661	TCAACATAGTCCCTTTCGCGCC	CAGAATGTCTCTTCTCTGTTTCAGTTCCTTTCTCTGC	720
Db	22460	TCAACATAGTCCCTTTCGCGCC	CAGAATGTCTCTCTCTGTTTCAGTTCCTTTCTCTGC	22519
Qy	721	AGCAGACACAGGTTGAGTTT	ATCCAGCCTTCTTGAGTCTTGAATCTCACACGGGCTGCT	780
Db	22520	AGCAGACAGGTTGAGTTT	ATCCAGCCTTCTTGAGTCTTGAATCTCACACGGGCTGCT	22579
Qy	781	CAGCGGAAGCTTTGACCGGAT	801	
Db	22580	CAGCGGAAGCTTTGACCGGAT	22600	

## RESULT 4

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US-09-988-626-1
; Sequence 1, Application US/09988626
; Publication No. US20030044959A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; INVENTION FIELD: Gene and a Catalog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,626
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ IDS: 240
; SOFTWARE: PatentIn Ver. 2.0

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: SEQ ID NO 1  
: LENGTH: 2481

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; LENGTH: 2401
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2478)
US-09-988-626-1

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[illegible]

## RESULT 5

US-09-988-687-1  
; Sequence 1, Application US/09988687  
; Publication No. US20030045704A1  
; GENERAL INFORMATION:

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; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2481
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2478)
US-09-988-687-1

Query Match 18.2%; Score 145.8; DB 10; Length 2481;
Best Local Similarity 89.1%; Pred. No. 1.6e-33;
Matches 156; Conservative 1; Mismatches 18; Indels 0; Gaps 0;

Qy 338 AGTGGCAGTGACCTCTTCTCTCTCTCTCTGTCAGCCCCGACACGCTCTCTGCTACTGGAC 397
Db 1486 ATTCGAAATGTCAGTGCCACACTGTGCACATAAGCCCCCGACACGCTCTCTGCTACTGGAC 1545

Qy 398 TGTGGTTCAGGCGACRTTGGGACGTGTGCCGTCATTACGAGACACCAAGTGGACAGGGTC 457
Db 1546 TGTGGTTCAGGCGACATTTGGGCGAGCTGTGCCGTCATTACGAGACACCAAGTGGACAGGGTC 1605

Qy 458 CTGGGCAACCCTGAGCTGCTGTGTGTTGTCTCCACCTGCACGACATCACACAGG 512
Db 1606 CTGGGCAACCCTGAGCTGCTGTGTTGTCTCCACCTGCACGACATCACACAGG 1660

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RESIST. 6

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1US-09-988-686-1
2Sequence 1, Application US/09988686
3Publication No. US20030120052A1
4GENERAL INFORMATION:
5APPLICANT: Tavtigian, Sean V.
6APPLICANT: Teng, David H.F.
7APPLICANT: Simard, Jacques
8APPLICANT: Rommens, Johanna M.
9APPLICANT: Myriad Genetics, Inc.
10TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
11TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
12FILE REFERENCE: 2318-258
13CURRENT APPLICATION NUMBER: US/09/988,686
14CURRENT FILING DATE: 2001-11-20
15PRIOR APPLICATION NUMBER: 09/564,805
16PRIOR FILING DATE: 2000-05-05
17PRIOR APPLICATION NUMBER: US 60/107,469
18PRIOR FILING DATE: 1998-11-06
19PRIOR APPLICATION NUMBER: 09/434,382
20PRIOR FILING DATE: 1999-11-05
21NUMBER OF SEQ ID NOS: 240
22SOFTWARE: PatentIn Ver. 2.0
23SEQ ID NO 1
24LENGTH: 2481
25TYPE: DNA
26ORGANISM: Homo sapiens
27FEATURE:
28NAME/KEY: CDS

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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 31, 2004, 05:18:38 ; Search time 40.7326 Seconds  
(without alignments)  
6825.753 Million cell updates/sec

Title: US-09-434-382-28\_COPY\_26164\_26664

Perfect score: 501  
Sequence: 1 ggtatggagctgtgcgagg.....ttcgcaagctttttgaca 501

Scoring table: IDENTITY NUC  
Gapop 10\_0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents NA: \*  
1: /cgn2\_6/ptodata/2/ina/5A COMB.seq: \*  
2: /cgn2\_6/ptodata/2/ina/5B COMB.seq: \*  
3: /cgn2\_6/ptodata/2/ina/5A COMB.seq: \*  
4: /cgn2\_6/ptodata/2/ina/5B COMB.seq: \*  
5: /cgn2\_6/ptodata/2/ina/PCTUS COMB.seq: \*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	303	60.5	655	4	US-09-564-805-27
3	303	60.5	2958	4	US-09-564-805-3
4	296.6	59.2	2908	4	US-09-564-805-223
5	254.6	50.8	2892	4	US-09-564-805-225
6	34.6	6.9	505	4	US-09-621-976-15639
7	33.2	6.6	6042	1	US-08-261-822A-1
8	33.2	6.6	6042	5	PCT-US95-07744A-1
9	33.2	6.6	6172	4	US-08-819-288-1
10	33.2	6.6	6172	4	US-09-400-348-1
11	32	6.4	364	4	US-09-621-976-17202
12	31.2	6.2	2327	4	US-09-149-476-107
13	31.2	6.2	8316	4	US-09-578-181-11
14	31.2	6.2	9354	4	US-09-578-181-11
15	30.8	6.1	399	4	US-09-621-976-8976
16	30.6	6.1	787	3	US-08-943-731-200
17	30.6	6.1	20084	3	US-08-943-731-5
18	30.6	6.1	38844	4	US-09-734-675-3
19	30.2	6.0	33312	4	US-08-311-731A-121
20	30.2	6.0	35828	4	US-09-449-218D-17
21	30.2	6.0	35828	4	US-09-668-529A-17
22	30.2	6.0	35828	4	US-09-668-037A-17
23	30	6.0	1834	1	US-08-592-126-90
24	30	6.0	1834	4	US-09-168-595-90
25	30	6.0	3227	4	US-09-976-594-775
26	29.8	5.9	7218	1	US-08-232-463-14
27	29.6	5.9	530	3	US-08-180-371-17

c 28	29.6	5.9	1677	2	US-08-684-101-1	Sequence 1, Appli
c 29	29.6	5.9	1677	3	US-09-205-814-1	Sequence 1, Appli
c 30	29.4	5.9	306	4	US-09-313-294A-511	Sequence 511, App
31	29.4	5.9	1342	3	US-08-961-983-181	Sequence 181, App
32	29.4	5.9	1342	4	US-09-536-784-181	Sequence 181, App
33	29.4	5.9	1455	4	US-09-468-656A-7	Sequence 7, Appli
34	29.4	5.9	3048	1	US-08-188-228-47	Sequence 47, Appli
35	29.4	5.9	3048	1	US-08-332-643-41	Sequence 41, Appli
36	29.4	5.9	3048	1	US-08-332-638-47	Sequence 47, Appli
37	29.4	5.9	4453	2	US-08-843-530B-17	Sequence 17, Appli
38	29.4	5.9	8867	4	US-08-961-527-192	Sequence 192, App
c 39	29.2	5.8	226	4	US-09-023-855-334	Sequence 334, App
c 40	29.2	5.8	834	4	US-09-621-976-2574	Sequence 2574, App
c 41	29.2	5.8	2098	4	US-09-489-847-20	Sequence 20, Appli
42	29.2	5.8	640681	4	US-09-790-988-1	Sequence 1, Appli
c 43	29	5.8	506	1	US-08-469-802B-7	Sequence 7, Appli
c 44	29	5.8	506	2	US-08-267-803B-7	Sequence 7, Appli
c 45	29	5.8	49795	4	US-09-453-702B-60	Sequence 60, Appli

#### ALIGNMENTS

##### RESULT 1

US-09-564-805-28

; Sequence 28, Application US/09564805

; Patent No. 6333403

; GENERAL INFORMATION:

; APPLICANT: Tavtigian, Sean V.

; APPLICANT: Teng, David H.F.

; APPLICANT: Simard, Jacques

; APPLICANT: Rommens, Johanna M.

; APPLICANT: Myriad Genetics, Inc.

; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

; FILE REFERENCE: 2318-258

; CURRENT APPLICATION NUMBER: US/09/564,805

; CURRENT FILING DATE: 2000-05-05

; PRIOR APPLICATION NUMBER: US 60/107,468

; PRIOR FILING DATE: 1998-11-06

; PRIOR APPLICATION NUMBER: 09/434,382

; PRIOR FILING DATE: 1999-11-05

; NUMBER OF SEQ ID NOS: 240

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 28

; LENGTH: 26664

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc feature

; LOCATION: (910)..(13104)

; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:

; OTHER INFORMATION: 1928-1995; exon 4: 3025-3089; exon 5: 4361-4418;

; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:

; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:

; NAME/KEY: misc feature

; LOCATION: (13756)..(22917)

; OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon

; OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:

; OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:

; OTHER INFORMATION: 22172-22310; exon 18: 22879-22917

; NAME/KEY: misc feature

; LOCATION: (23045)..(26452)

; OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon

; OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:

; OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation

; OTHER INFORMATION: signal: 26447-26452

; NAME/KEY: variation

; LOCATION: (826)..(23879)

; OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at

; OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486

; OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at

; OTHER INFORMATION: positions 22211 and 23879 is A or G.

US-09-564-805-28  
Query Match 100.0%; Score 501; DB 4; Length 26664;  
Best Local Similarity 100.0%; Pred. No. 2.7e-166;  
Matches 501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GGTATGGAGCTGTGCGAGGCTTGGCTCCCAATAGCACTAGTCTATAGATGCTCTTT 60  
Db 26164 GGTATGGAGCTGTGCGAGGCTTGGCTCCCAATAGCACTAGTCTATAGATGCTCTTT 26223  
QY 61 AGGACTGGTGGCTGGCAGAGCGCGGCGGAGGCTGCCACACGGAAGCAAGCAGATGA 120  
Db 26224 AGGACTGGTGGCTGGCAGAGCGCGGCGGAGGCTGCCACACGGAAGCAAGCAGATGA 26283  
QY 121 ACTAATTTCAATTTCAAGGCAAGTCTTTAAAGAGTCTTTGAAACAGAGCGGCGCACCTTTT 180  
Db 26284 ACTAATTTCAATTTCAAGGCAAGTCTTTAAAGAGTCTTTGAAACAGAGCGGCGCACCTTTT 26343  
QY 181 CTCTAATCCAGCAAGTGTTCCTGCACACAGAGAGCAAGCAGATGATCAGTG 240  
Db 26344 CTCTAATCCAGCAAGTGTTCCTGCACACAGAGAGCAAGCAGATGATCAGTG 26403  
QY 241 GGTCTAAGTGTGCGAGACTTAACGAAATAGTATTTTACGCTGCAATAAAGATTGATTG 300  
Db 26404 GGTCTAAGTGTGCGAGACTTAACGAAATAGTATTTTACGCTGCAATAAAGATTGATTG 26463  
QY 301 CAATTGTGAGTCTTTTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 360  
Db 26464 CAATTGTGAGTCTTTTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 26523  
QY 361 ACCTTGGAGAGGCTCTGT 420  
Db 26524 ACCTTGGAGAGGCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 26583  
QY 421 AGAAGTGTGCTCCGCTGT 480  
Db 26584 AGAAGTGTGCTCCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 26643  
QY 481 ATTCGCCAAGTCTTTTGTACA 501  
Db 26644 ATTCGCCAAGTCTTTTGTACA 26664  
RESULT 2  
US-09-564-805-27  
; Sequence 27, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Tavtighian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 27  
; LENGTH: 655  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)..(228)  
; OTHER INFORMATION: exon 24  
; NAME/KEY: polyA\_signal  
; LOCATION: (636)..(641).  
US-09-564-805-27  
Query Match 60.5%; Score 303; DB 4; Length 655;  
Best Local Similarity 100.0%; Pred. No. 3.8e-97;  
Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GGTATGGAGCTGTGCGAGGCTTGGCTCCCAATAGCACTAGTCTATAGATGCTCTTT 60  
Db 353 GGTATGGAGCTGTGCGAGGCTTGGCTCCCAATAGCACTAGTCTATAGATGCTCTTT 412  
QY 61 AGGACTGGTGGCTGGCAGAGCGCGGCGGAGGCTGCCACACGGAAGCAAGCAGATGA 120  
Db 413 AGGACTGGTGGCTGGCAGAGCGCGGCGGAGGCTGCCACACGGAAGCAAGCAGATGA 472  
QY 121 ACTAATTTCAATTTCAAGGCAAGTCTTTAAAGAGTCTTTGAAACAGAGCGGCGCACCTTTT 180  
Db 473 ACTAATTTCAATTTCAAGGCAAGTCTTTAAAGAGTCTTTGAAACAGAGCGGCGCACCTTTT 532  
QY 181 CTCTAATCCAGCAAGTGTTCCTGCACACAGAGAGCAAGCAGATGATCAGTG 240  
Db 533 CTCTAATCCAGCAAGTGTTCCTGCACACAGAGAGCAAGCAGATGATCAGTG 592  
QY 241 GGTCTAAGTGTGCGAGACTTAACGAAATAGTATTTTACGCTGCAATAAAGATTGATTG 300  
Db 593 GGTCTAAGTGTGCGAGACTTAACGAAATAGTATTTTACGCTGCAATAAAGATTGATTG 652  
QY 301 CAA 303  
Db 653 CAA 655  
RESULT 3  
US-09-564-805-3  
; Sequence 3, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Tavtighian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 3  
; LENGTH: 2958  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (51)..(2531)  
; OTHER INFORMATION: coding sequence as in SEQ ID NO:1  
US-09-564-805-3  
Query Match 60.5%; Score 303; DB 4; Length 2958;  
Best Local Similarity 100.0%; Pred. No. 1e-96;  
Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GGTATGGAGCTGTGCGAGGCTTGGCTCCCAATAGCACTAGTCTATAGATGCTCTTT 60  
Db 2656 GGTATGGAGCTGTGCGAGGCTTGGCTCCCAATAGCACTAGTCTATAGATGCTCTTT 2715  
QY 61 AGGACTGGTGGCTGGCAGAGCGCGGCGGAGGCTGCCACACGGAAGCAAGCAGATGA 120

US-09-564-805-28  
Query Match 100.0%; Score 501; DB 4; Length 26664;  
Best Local Similarity 100.0%; Pred. No. 2.7e-166;  
Matches 501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GGTATGGAGCTGTGCGAGGCTTGGCTCCCAATAGCACTAGTCTATAGATGCTCTTT 60  
Db 26164 GGTATGGAGCTGTGCGAGGCTTGGCTCCCAATAGCACTAGTCTATAGATGCTCTTT 26223  
QY 61 AGGACTGGTGGCTGGCAGAGCGCGGCGGAGGCTGCCACACGGAAGCAAGCAGATGA 120  
Db 26224 AGGACTGGTGGCTGGCAGAGCGCGGCGGAGGCTGCCACACGGAAGCAAGCAGATGA 26283  
QY 121 ACTAATTTCAATTTCAAGGCAAGTCTTTAAAGAGTCTTTGAAACAGAGCGGCGCACCTTTT 180  
Db 26284 ACTAATTTCAATTTCAAGGCAAGTCTTTAAAGAGTCTTTGAAACAGAGCGGCGCACCTTTT 26343  
QY 181 CTCTAATCCAGCAAGTGTTCCTGCACACAGAGAGCAAGCAGATGATCAGTG 240  
Db 26344 CTCTAATCCAGCAAGTGTTCCTGCACACAGAGAGCAAGCAGATGATCAGTG 26403  
QY 241 GGTCTAAGTGTGCGAGACTTAACGAAATAGTATTTTACGCTGCAATAAAGATTGATTG 300  
Db 26404 GGTCTAAGTGTGCGAGACTTAACGAAATAGTATTTTACGCTGCAATAAAGATTGATTG 26463  
QY 301 CAATTGTGAGTCTTTTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 360  
Db 26464 CAATTGTGAGTCTTTTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 26523  
QY 361 ACCTTGGAGAGGCTCTGT 420  
Db 26524 ACCTTGGAGAGGCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 26583  
QY 421 AGAAGTGTGCTCCGCTGT 480  
Db 26584 AGAAGTGTGCTCCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 26643  
QY 481 ATTCGCCAAGTCTTTTGTACA 501  
Db 26644 ATTCGCCAAGTCTTTTGTACA 26664  
RESULT 2  
US-09-564-805-27  
; Sequence 27, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Tavtighian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 27  
; LENGTH: 655  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)..(228)  
; OTHER INFORMATION: exon 24  
; NAME/KEY: polyA\_signal

Db 2716 AGGACTGTGCTGGCCACAGCGCGGCCAGGAGCTGCCACACGGAAGCAAGCAGATGA 2775  
QY 121 ACTAATTTTCATTTCAAGGCAGTCTTTAAAGAGTCTTGGAAACACAGCGCGCACCTTTC 180  
Db 2776 ACTAATTTTCATTTCAAGGCAGTCTTTAAAGAGTCTTGGAAACACAGCGCGCACCTTTC 2835  
QY 181 CTCTAATCCAGCAAAAGTGAATCCCTGCCACACAGAGCAAGCAGAGTAAACAGGATCACTG 240  
Db 2836 CTCTAATCCAGCAAAAGTGAATCCCTGCCACACAGAGCAAGCAGAGTAAACAGGATCACTG 2895  
QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCATATAAGATTGAGTTTG 300  
Db 2896 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCATATAAGATTGAGTTTG 2955  
QY 301 CAA 303  
Db 2956 CAA 2958

## RESULT 4

US-09-564-805-223  
; Sequence 223, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 223  
; LENGTH: 2908  
; TYPE: DNA  
; ORGANISM: Pan troglodytes  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(2478)  
US-09-564-805-223

Query Match 59.2%; Score 296.6; DB 4; Length 2908;  
Best Local Similarity 98.7%; Pred. No. 1.9e-94;  
Matches 299; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGTATGGAGCTGTCCGAGGCTTGGCTCCCATATAGCACTAGTCTATAGATGCTCTT 60  
Db 2606 GGTATGGAGCTGTCCGAGGCTTGGCTCCCATATAGCACTAGTCTATAGATGCTCTT 2665  
QY 61 AGGACTGTGCTGCACAGCGCGGCCAGGAGCTGCCACACGGAAGCAGCAGATGA 120  
Db 2666 AGGACTGTGCTGCACAGCGCGGCCAGGAGCTGCCACACGGAAGCAGCAGATGA 2725  
QY 121 ACTAATTTTCATTTCAAGGCAGTCTTTAAAGAGTCTTGGAAACACAGCGCGCACCTTTC 180  
Db 2726 ACTAATTTTCATTTCAAGGCAGTCTTTAAAGAGTCTTGGAAACACAGCGCGCACCTTTC 2785  
QY 181 CTCTAATCCAGCAAAAGTGAATCCCTGCCACACAGAGCAAGCAGAGTAAACAGGATCACTG 240  
Db 2786 CTCTAATCCAGCAAAAGTGAATCCCTGCCACACAGAGCAAGCAGAGTAAACAGGATCACTG 2845  
QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCATATAAGATTGAGTTTG 300  
Db 2846 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCATATAAGATTGAGTTTG 2905

QY 301 CAA 303  
Db 2906 CAA 2908

## RESULT 5

US-09-564-805-225  
; Sequence 225, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 225  
; LENGTH: 2892  
; TYPE: DNA  
; ORGANISM: Gorilla gorilla  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(2478)  
US-09-564-805-225

Query Match 50.8%; Score 254.6; DB 4; Length 2892;  
Best Local Similarity 93.4%; Pred. No. 1.5e-79;  
Matches 283; Conservative 0; Mismatches 4; Indels 16; Gaps 1;

QY 1 GGTATGGAGCTGTCCGAGGCTTGGCTCCCATATAGCACTAGTCTATAGATGCTCTT 60  
Db 2606 GGTATGGAGCTGTCCGAGGCTTGGCTCCCATATAGCACTAGTCTATAGATGCTCTT 2655  
QY 61 AGGACTGTGCTGCACAGCGCGGCCAGGAGCTGCCACACGGAAGCAGCAGATGA 120  
Db 2656 AGGACTGTGCTGCACAGCGCGGCCAGGAGCTGCCACACGGAAGCAGCAGATGA 2709  
QY 121 ACTAATTTTCATTTCAAGGCAGTCTTTAAAGAGTCTTGGAAACACAGCGCGCACCTTTC 180  
Db 2710 ACTAATTTTCATTTCAAGGCAGTCTTTAAAGAGTCTTGGAAACACAGCGCGCACCTTTC 2769  
QY 181 CTCTAATCCAGCAAAAGTGAATCCCTGCCACACAGAGCAAGCAGAGTAAACAGGATCACTG 240  
Db 2770 CTCTAATCCAGCAAAAGTGAATCCCTGCCACACAGAGCAAGCAGAGTAAACAGGATCACTG 2829  
QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCATATAAGATTGAGTTTG 300  
Db 2830 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCATATAAGATTGAGTTTG 2889  
QY 301 CAA 303  
Db 2890 CAA 2892

## RESULT 6

US-09-621-976-15639/c  
; Sequence 15639, Application US/09621976  
; Patent No. 6639063  
; GENERAL INFORMATION:  
; APPLICANT: Dumas Milne Edwards, J.B.  
; APPLICANT: Jobert, S.  
; APPLICANT: Giordano, J.Y.  
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.

FILE REFERENCE: GENSET.054PR2  
CURRENT APPLICATION NUMBER: US/09/621,976  
CURRENT FILING DATE: 2000-07-21  
NUMBER OF SEQ ID NOS: 19335  
SOFTWARE: Patent.pm  
SEQ ID NO 15639  
LENGTH: 505  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-621-976-15639

Query Match 6.9%; Score 34.6; DB 4; Length 505;  
Best Local Similarity 8.5%; Pred. No. 0.051;  
Matches 22; Conservative 129; Mismatches 108; Indels 0; Gaps 0;

QY 33 CATAAGCACTAGTCTTAGATGCTCTTAGGACTGCTGCTGCACAGCCGCGGCCAGG 92  
DB 272 SMMACWMSASAYRARRSMYGARRSMRAGAWRARRGKRRGKSSMRSMR 213  
QY 93 AGGCTGCCACAGCAAGCAGAGATGAATTAATTCATTCAGGCGAGTCTTTAAAGAA 152  
DB 212 SAGKARMCRRWMSCRMSYSCGSKMSCRGTCAKMWYARYAKYASSNGKYMGCRRW 153  
QY 153 GTCTTGGAAACAGACGCGGCGACCTTCTCTTAATCCAGCAAGTATCCCTGCGACACC 212  
DB 152 CYAKCARMYGYVRSRSTGSRGMYRRKRYMYKMYMWSWYRMYGAAATGMSARAYR 93  
QY 213 AGGACCAAGCAGAGTAAAGGATCATGCTAGTGGTCTAAGTGTCCGAGACTTAACGAAATAGT 272  
DB 92 MYASGACRMSKMSKMSKMSKMSKMSKMSKMSKMSKMSKMSKMSKMSKMSKMSKMSK 33  
QY 273 ATTTAGCTGCAATAAGA 291  
DB 32 MKSWYSSRKSRCRCRYWSM 14

RESULT 7  
US-08-261-822A-1  
Sequence 1, Application US/08261822A  
Patent No. 5650553  
GENERAL INFORMATION:  
APPLICANT: Ecker, Joseph R. et al.  
TITLE OF INVENTION: Plant Genes for Sensitivity to Ethylene  
TITLE OF INVENTION: and Pathogens  
NUMBER OF SEQUENCES: 82  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 5650553ris  
STREET: One Liberty Place, 46th floor  
CITY: Philadelphia  
STATE: PA  
COUNTRY: USA  
ZIP: 19103  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/261,822A  
FILING DATE: 17-JUN-1994  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Beardell, Lori Y.  
REGISTRATION NUMBER: 34,293  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (215) 568-3100  
TELEFAX: (215) 568-3439  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 6042 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)  
HYPOTHEICAL: NO  
ANTI-SENSE: NO  
US-08-261-822A-1

Query Match 6.6%; Score 33.2; DB 1; Length 6042;  
Best Local Similarity 51.3%; Pred. No. 0.84;  
Matches 77; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 200 TTCCTGTCACACAGAGACAGCAAGCAGAGTACAGATCAGTGGGTCTAAGTGTCCGAGACT 259  
DB 618 TTCCTGAGATCTGAATGCGTAGATCATACGGGATCTTTGCAITTTTGTGCTTTTCGT 677  
QY 260 TAACGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTTGCAATTGTGAGTTCTTTTC 319  
DB 678 CAGGTTACGATCTTTTAGCTTCAGTTTAGTTGAAATTTGTTATTTTGTGAGCTTATC 737  
QY 320 TTCCTCCTGCTGCTGCTACAGACAGGCTC 349  
DB 738 TTTCTTTTGTGCTTCTCATCTAAGATC 767

RESULT 8  
PCT-US95-07744A-1  
Sequence 1, Application PC/TUS9507744A  
GENERAL INFORMATION:  
APPLICANT: Trustees of The University of Pennsylvania  
TITLE OF INVENTION: Plant Genes for Sensitivity to Ethylene  
TITLE OF INVENTION: and Pathogens  
NUMBER OF SEQUENCES: 82  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & Norris  
STREET: One Liberty Place, 46th floor  
CITY: Philadelphia  
STATE: PA  
COUNTRY: USA  
ZIP: 19103  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/07744A  
FILING DATE: 15-JUNE-1995  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/261,822  
FILING DATE: June 17, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Beardell, Lori Y.  
REGISTRATION NUMBER: 34,293  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (215) 568-3100  
TELEFAX: (215) 568-3439  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 6042 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
HYPOTHEICAL: NO  
ANTI-SENSE: NO  
PCT-US95-07744A-1

Query Match 6.6%; Score 33.2; DB 5; Length 6042;  
Best Local Similarity 51.3%; Pred. No. 0.84;  
Matches 77; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 200 TTCCTGTCACACAGAGACAGCAAGCAGAGTACAGATCAGTGGGTCTAAGTGTCCGAGACT 259  
DB 618 TTCCTGAGATCTGAATGCGTAGATCATACGGGATCTTTGCAITTTTGTGCTTTTCGT 677





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; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 17202
; LENGTH: 364
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-17202

Query Match      6.4%; Score 32; DB 4; Length 364;
Best Local Similarity 13.0%; Pred. No. 0.34;
Matches 38; Conservative 122; Mismatches 132; Indels 0; Gaps 0;

QY    62   GGACTGTCCTGGACACGCCCGCCAGGAGGTGCACACGGAACGACGATGAA 121
       :||::|: ||::|: ||::|: ||::|: ||::|: ||::|: ||::|: ||::|:
Db     5   SGSMKGRARCCGCKGGAGYGCMKSSRSYGRSSCCSGMWSGSCSKRWSRCRWKS 64

QY    122  CTAATTTCATTTCAAGGACGAGTTTTTAAAGAAGTCITTGAAAACAGACGGCGCACCTTTCC 181
        :||::|: ||::|: ||::|: ||::|: ||::|: ||::|: ||::|: ||::|:
Db     65   MMSWMMYSMKYKSTCASKYKGKKMACHTCWSTGMRYMASYHCYSVMARYTYCY 124

QY    182  TCTAATCCAGCAAGTAGTTCCTCTGCACACAGACAGAACGAGTAAACGATCATGGTGG 241
        :||::|: ||::|: ||::|: ||::|: ||::|: ||::|: ||::|: ||::|:
Db     125  SKYRNWKYCRYKSRGMCMMWCAGSGMYCSRSAGSRYSKJGSRGWTWKJKCSRATSKK 184

QY    242  GTCTAAGTTCGACGACTTAAAGAAAATAGTATTTTCAGCTCATAAAGATTGAGTTTGC 301
        :||::|: ||::|: ||::|: ||::|: ||::|: ||::|: ||::|: ||::|:
Db     185  GRMMVWKKSRRRTASRYGMMSSMTYGASKRMSSMCSASTRSSASCMTMMMSAGSYASC 244

QY    302  AATTGTGAGTCTTTTGTCTCTCTCTCTGCTGCTGCTCTACAGACGAGGTCGTCT 353
        :||::|: ||::|: ||::|: ||::|: ||::|: ||::|: ||::|: ||::|:
Db     245  ANKMSKYRCANWCSCTYSWNYPMAEMSKSKYCAWSKKGSKCCKMYSKGSKSCVY 296

RESULT 12
US-09-149-476-107
; Sequence 107, Application US/09149476
; Patent No. 6420526
GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: PZ002P1
; CURRENT APPLICATION NUMBER: US/09/149,476
; CURRENT FILING DATE: 1998-09-08
; EARLIER APPLICATION NUMBER: PCT/US98/04493
; EARLIER FILING DATE: 1998-03-06
; EARLIER APPLICATION NUMBER: 60/040,162
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,333
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/038,621
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,626
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,334
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,336
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,163
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/047,600
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,615
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,597
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,502
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,633
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,583
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,617

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; EARLIER FILING DATE: 1997-08-22,
; EARLIER APPLICATION NUMBER: 60/056,887
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,908
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/057,650
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/056,884
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/057,669
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/049,610
; EARLIER FILING DATE: 1997-06-13
; EARLIER APPLICATION NUMBER: 60/061,060
; EARLIER FILING DATE: 1997-10-02

Query Match          6.2%; Score 31.2; DB 4; Length 2327;
Best Local Similarity 35.9%; Pred. No.2.3;
Matches 33; Conservative 28; Mismatches 31; Indels 0; Gaps 0;

Qy      327 TGCTGCTGTACAGACGAGCGTCTGCTGTGCACACACTTCGGAGAAGCCTCTCTGTGCTGT 386
         :|::|||::|: ||: |::|: |::|: |::|: |::|: |::|: |::|:
Db      1576 WSCTKSGWCTCYWCCKSRSTGRKMKRMRCCTCTAGAAVTRGYRGAKNMYYYKSGCTKWGG 1635

Qy      387 AGTGTCGCACTCGCTGTTACCCGGTGGCTT 418
         :|::|||::|: ||: |::|: |::|: |::|: |::|: |::|: |::|:
Db      1636 AAKXSGCAGGACCAGACCTGCATTTGCTT 1667

RESULT 13
US-09-579-181-11/c
; Sequence 11, Application US/09579181
; Patent No. 6365372
; GENERAL INFORMATION:
; APPLICANT: Chriovia, John
; APPLICANT: Yaciuk, Peter
; TITLE OF INVENTION: SNF2 Related CBP Activator Protein (SRCAP)
; FILE REFERENCE: 16153-4247
; CURRENT APPLICATION NUMBER: US/09/579,181
; CURRENT FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 60/136,620
; PRIOR FILING DATE: 1999-05-27
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 8916
; TYPE: DNA
; ORGANISM: Human
US-09-579-181-11

Query Match          6.2%; Score 31.2; DB 4; Length 8916;
Best Local Similarity 50.7%; Pred. No.5.6;
Matches 75; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

Qy      13 TGCCGAGGCTTGGGCTCCCATPAAGACTTAGTCTATAGATGCCTCTTAGACTGTGGCC 72
         :|::|||::|: ||: |::|: |::|: |::|: |::|: |::|: |::|:
Db      6900 TGCCAATGCTGGGCACACAGCTCTGCCTCAGGCTCAAGCCCAGGGGAGATTAGTGAC 6841

Qy      73 TGSCACAGCGCGGGCCAGAGGCTGCCACGGACGACGACATTAATTTTCATT 132
         :|::|||::|: ||: |::|: |::|: |::|: |::|: |::|: |::|:
Db      6840 TGAGGCAGAGATGGGCACAGAAGGTGGACCAAGCAAGAGAGGAGGAGGTACAAG 6781

Qy      133 TCAAGGCAGTTTTTAAGAAGTCTTGGG 160
         :|::|||::|: ||: |::|: |::|: |::|: |::|: |::|: |::|:
Db      6780 ACAGGTTTGGCTGGAGGCGGTGTATGA 6753

RESULT 14
US-09-579-181-10/c
; Sequence 10, Application US/09579181
; Patent No. 6365372
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; GENERAL INFORMATION:
; APPLICANT: Chrvia, John
; APPLICANT: Yaciuk, Peter
; TITLE OF INVENTION: SNF2 Related CBP Activator Protein (SRCAP)
; FILE REFERENCE: 16153-4247
; CURRENT APPLICATION NUMBER: US/09/579,181
; CURRENT FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 60/136,620
; PRIOR FILING DATE: 1999-05-27
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 9354
; TYPE: DNA
; ORGANISM: Human
; US-09-579-181-10

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	Query Match	6.2%	Score 31.2;	DB 4;	Length 9354;
	Best Local Similarity	50.7%;	Pred. No. 5.8;		
	Matches	75;	Conservative 0;	Mismatches 73;	Indels 0; Gaps 0;
QY	13	TCGCCAGAGCTTGGGCTCCCATTAAGCAGCTAGTCTATAGATGCTCTTAGGAGCTGGTGCC	72		
DB	7338				
		TCGCAATGCCTGGGCACACAGCTTGCTCAGCGCTTCAAGCCCAAGGGGAGTTAGTGAC	7279		
QY	73	TGGCCACAGCCGCGGGCCAGGAGGCTGCCACACGGAAGCAAGCAGATGAACCTAATTTCAAT	132		
DB	7278	TCAGGCAGAGATGGGCACAGAGTGGACCAAGCAGAGAGGAGGAGGAGGTATACAAG	7219		
QY	133	TCAGGCAGTGTTTTAAAGAGCTTTGGA	160		
DB	7218	ACAGGTTTGGGCTGGAGCGGTGTATGA	7191		

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RESULT 15
US-09-621-976-8976/c
; Sequence 8976, Application US/09621976
; Patent No. 6639083
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621.976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 8976
; LENGTH: 399
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-8976

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Query Match	6.1%;	Score 30.8;	DB 4;	Length 399;
Best Local Similarity	7.9%;	Pred. No. 0.96;		
Matches	20;	Conservative 126;	Mismatches 108;	Indels 0; Gaps 0;
Qy	185	AATCAGAAAGTGATTCCCTGCACACAGAGCAACAGAGTAACAGGATCAGTGGGTC	244	
Db	277	RWSYRAMWRGSKSWGGSYYRMAGYRSRWRSWYSAMWRKKDTCWKGRSSWGSRS	218	
Qy	245	TAAGTCTCGAGACTTAACGAAAAATAGTATTTCAGCTGCAAATAAGAGTTGAGTTTGC	304	
Db	217	YAMMYKKSCTSKWYMYKKRKKWRKCTSTKTCYRGSTYKCAYYTKKRRKWTWT	158	
Qy	305	TGTGAGTTCTTTTGCTTCCTCCTGCTGCTCACAGACAGGCTGCTGTGCACACACT	364	
Db	157	YYIYKYSMSKKIWNKTAAYTWKRWKTRKTWTCTMCKKCTTYMAGTMYRYRYWY	98	
Qy	365	TGGAGAAGGCTCTCTGCTGCTGCTAGTGTGGCAGCTGCCTGTGATCCCGGGTGGCTT	424	
Db	97	YAKRAKWSRXCWTSTCTCYCMKYMAKCKWSYWSMSNMKGKSMWWTYYYYYYMMK	38	

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 31, 2004, 07:06:00 ; Search time 244.395 Seconds

(without alignments)  
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Title: US-09-434-382-28\_COPY\_26164\_26664

Perfect score: 501

Sequence: 1 ggtatggagctgtgccgagg.....ttcgcaagtctttttgaca 501

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 3222919 seqs, 2451570024 residues

Total number of hits satisfying chosen parameters: 6445838

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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Database : Published Applications NA.\*

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19: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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3	501	100.0	26664	10	US-09-988-686-28
4	303	60.5	655	10	US-09-988-626-27
5	303	60.5	655	10	US-09-988-687-27
6	303	60.5	655	10	US-09-988-686-27
7	303	60.5	2958	10	US-09-988-626-3
8	303	60.5	2958	10	US-09-988-687-3
9	303	60.5	2958	10	US-09-988-686-3
10	299.4	59.8	2907	16	US-10-108-260A-282
11	296.6	59.2	2908	10	US-09-988-626-223
12	296.6	59.2	2908	10	US-09-988-687-223
13	296.6	59.2	2908	10	US-09-988-686-223
14	254.6	50.8	2892	10	US-09-988-626-225

15 254.6 50.8 2892 10 US-09-988-687-225 Sequence 225, Appl  
16 254.6 50.8 2892 10 US-09-988-686-225 Sequence 225, Appl  
17 95.4 19.0 97 15 US-10-308-891-60 Sequence 60, Appl  
18 95.4 19.0 97 15 US-10-308-891-93 Sequence 93, Appl  
19 93.8 18.7 97 15 US-10-308-891-53 Sequence 59, Appl  
20 93.8 18.7 97 15 US-10-308-891-80 Sequence 80, Appl  
21 60 12.0 60 10 US-09-908-975-5139 Sequence 5139, Appl  
22 50 10.0 60 16 US-10-131-827-7587 Sequence 7587, Appl  
23 37 7.4 734 13 US-10-027-632-11995 Sequence 11995, A  
24 37 7.4 734 13 US-10-027-632-11996 Sequence 11996, A  
25 37 7.4 734 16 US-10-027-632-11995 Sequence 11995, A  
26 37 7.4 734 16 US-10-027-632-11996 Sequence 11996, A  
27 34.6 6.9 652 13 US-10-027-632-225490 Sequence 225490, A  
28 34.6 6.9 652 16 US-10-027-632-225490 Sequence 225490, A  
29 34.2 6.8 677 13 US-10-027-632-43101 Sequence 43101, A  
30 34.2 6.8 677 13 US-10-027-632-43102 Sequence 43102, A  
31 34.2 6.8 677 16 US-10-027-632-43101 Sequence 43101, A  
32 34.2 6.8 677 16 US-10-027-632-43102 Sequence 43102, A  
33 33.8 6.7 128668 13 US-10-087-192-340 Sequence 340, Appl  
34 33.6 6.7 480 9 US-09-864-761-15427 Sequence 15427, A  
35 33.4 6.7 2260 13 US-10-027-632-101506 Sequence 101506, A  
36 33.4 6.7 2260 16 US-10-027-632-101506 Sequence 101506, A  
37 33.4 6.7 5959 15 US-10-311-455-1254 Sequence 1254, Appl  
38 33.4 6.7 5959 17 US-10-433-793-110 Sequence 110, Appl  
39 33.2 6.6 6022 15 US-10-385-521-11 Sequence 11, Appl  
40 33.2 6.6 6022 17 US-10-602-475A-14 Sequence 14, Appl  
41 32.2 6.4 633 16 US-10-398-221-2141 Sequence 2141, Appl  
42 32.2 6.4 654 16 US-10-398-221-450 Sequence 450, Appl  
43 32.2 6.4 2367 17 US-10-437-963-78232 Sequence 78232, A  
44 32.2 6.4 513509 10 US-09-754-853A-4 Sequence 4, Appl  
45 32.2 6.4 684707 16 US-10-398-221-9 Sequence 9, Appl

#### ALIGNMENTS

#### RESULT 1

US-09-988-626-28  
; Sequence 28, Application US/09988626  
; Publication No. US20030044959A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtighian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,626  
; PRIOR FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 28  
; LENGTH: 26664  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (910)..(13104)  
; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:  
; OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;  
; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:  
; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:  
; NAME/KEY: misc feature  
; LOCATION: (13756)..(22917)

OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon 13: 16278-16416; exon 14: 16498-16583; exon 15: 18583-18701; exon 16: 20349-20445; exon 17: 22172-22310; exon 18: 22879-22917  
NAME/KEY: misc feature  
LOCATION: (23045)..(26452)  
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon 21: 23973-24093; exon 22: 24354-24432; exon 23: 25026-25170; exon 24: 25812-26036; polyadenylation  
OTHER INFORMATION: signal: 26447-26452  
NAME/KEY: variation  
LOCATION: (826)..(23879)  
OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at positions 1914, 5568, 7165, 16431, 1857 and 20486  
OTHER INFORMATION: is C or T, n at position 13128 is t or tgat; r at positions 22211 and 23879 is A or G.  
US-09-988-626-28

Query Match 100.0%; Score 501; DB 10; Length 26664;  
Best Local Similarity 100.0%; Pred. No. 7.9e-160;  
Matches 501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGGAGCTGTGCGAGGCTGGGCTCCCAATAGCACTAGTCTATAGATGCTCTT 60  
Db GGTATGGAGCTGTGCGAGGCTGGGCTCCCAATAGCACTAGTCTATAGATGCTCTT 26223

QY 61 AGGACTGGTGTGCTGGCACAGCGCGGCGGAGGCTGCCACACGGAAGCAAGCATGA 120  
Db AGGACTGGTGTGCTGGCACAGCGCGGCGGAGGCTGCCACACGGAAGCAAGCATGA 26283

QY 121 ACTAATTTTCATTTCAGGAGCTTTTAAAGAGTCTTGGAAACAGACGCGGACCTTTC 180  
Db ACTAATTTTCATTTCAGGAGCTTTTAAAGAGTCTTGGAAACAGACGCGGACCTTTC 26343

QY 181 CTCTAATCCAGCAAGTGTATTCCTGCTGTAGTGGCAGCTGCTGTACCGGAGTCAAGTCA 240  
Db CTCTAATCCAGCAAGTGTATTCCTGCTGTAGTGGCAGCTGCTGTACCGGAGTCAAGTCA 26343

QY 301 CAATTGTGAGTCTTTTGTCTTCTCTGCTGTAGTGGCAGCTGCTGTACCGGAGTCAAGTCA 360  
Db CAATTGTGAGTCTTTTGTCTTCTCTGCTGTAGTGGCAGCTGCTGTACCGGAGTCAAGTCA 26583

QY 421 AAGAAGTCAAGTCCCGTGTAGTGGAGCTCTGCTGTAGTGGCAGCTGCTGTACCGGAGTCAAGTCA 480  
Db AAGAAGTCAAGTCCCGTGTAGTGGAGCTCTGCTGTAGTGGCAGCTGCTGTACCGGAGTCAAGTCA 26643

QY 481 ATTGCGCAAGTCTTTTGTACA 501  
Db ATTGCGCAAGTCTTTTGTACA 26664

## RESULT 2

US-09-988-687-28  
Sequence 28, Application US/09988687  
Publication No. US20030045704A1  
GENERAL INFORMATION:  
APPLICANT: ravigian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility Gene and a Paralog and Orthologous Genes  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/988,687

CURRENT FILING DATE: 2001-11-20  
PRIOR APPLICATION NUMBER: 09/564,805  
PRIOR FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn ver. 2.0  
SEQ ID NO 28  
LENGTH: 26664  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (910)..(13104)  
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;  
OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8: 8186-8244; exon 9: 12878-12936; exon 10: 13032-13104;  
NAME/KEY: misc feature  
LOCATION: (13756)..(22917)  
OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon 13: 16278-16416; exon 14: 16498-16583; exon 15: 18583-18701; exon 16: 20349-20445; exon 17: 22172-22310; exon 18: 22879-22917  
NAME/KEY: misc feature  
LOCATION: (23045)..(26452)  
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon 21: 23973-24093; exon 22: 24354-24432; exon 23: 25026-25170; exon 24: 25812-26036; polyadenylation  
OTHER INFORMATION: signal: 26447-26452  
NAME/KEY: variation  
LOCATION: (826)..(23879)  
OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at positions 1914, 5568, 7165, 16431, 1857 and 20486  
OTHER INFORMATION: is C or T, n at position 13128 is t or tgat; r at positions 22211 and 23879 is A or G.  
US-09-988-687-28

Query Match 100.0%; Score 501; DB 10; Length 26664;  
Best Local Similarity 100.0%; Pred. No. 7.9e-160;  
Matches 501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGGAGCTGTGCGAGGCTTTGGGCTCCCAATAGCACTAGTCTATAGATGCTCTT 60  
Db GGTATGGAGCTGTGCGAGGCTTTGGGCTCCCAATAGCACTAGTCTATAGATGCTCTT 26223

QY 61 AGGACTGGTGTGCTGGCACAGCGCGGCGGAGGCTGCCACACGGAAGCAAGCATGA 120  
Db AGGACTGGTGTGCTGGCACAGCGCGGCGGAGGCTGCCACACGGAAGCAAGCATGA 26283

QY 121 ACTAATTTTCATTTCAGGAGCTTTTAAAGAGTCTTGGAAACAGACGCGGACCTTTC 180  
Db ACTAATTTTCATTTCAGGAGCTTTTAAAGAGTCTTGGAAACAGACGCGGACCTTTC 26343

QY 181 CTCTAATCCAGCAAGTGTATTCCTGCTGTAGTGGCAGCTGCTGTACCGGAGTCAAGTCA 240  
Db CTCTAATCCAGCAAGTGTATTCCTGCTGTAGTGGCAGCTGCTGTACCGGAGTCAAGTCA 26343

QY 241 GGTCTAAGTGTGCGAGCTTAACGAAATAGTATTTTTCAGTGCATATAAGATTTGAGTTTG 300  
Db GGTCTAAGTGTGCGAGCTTAACGAAATAGTATTTTTCAGTGCATATAAGATTTGAGTTTG 26463

QY 301 CAATTGTGAGTCTTTTGTCTTCTCTGCTGTAGTGGCAGCTGCTGTACCGGAGTCAAGTCA 360  
Db CAATTGTGAGTCTTTTGTCTTCTCTGCTGTAGTGGCAGCTGCTGTACCGGAGTCAAGTCA 26523

QY 361 ACCTTGGAGAGGCTCTCTGTGTGTAGTGGCAGCTGCTGTACCGGAGTCAAGTCAAGTCA 420  
Db ACCTTGGAGAGGCTCTCTGTGTGTAGTGGCAGCTGCTGTACCGGAGTCAAGTCAAGTCA 26583

QY 421 AAGAAGTCAGCTCCCGTGTAGTGAGCACCTCTCGAACTGTCTCAGAGAGCCACCTTT 480  
Db 26584 AAGAAGTCAGCTCCCGTGTAGTGAGCACCTCTCGAACTGTCTCAGAGAGCCACCTTT 26643  
QY 481 ATTGCCCAAGTCTTTTGACA 501  
Db 26644 ATTGCCCAAGTCTTTTGACA 26664

## RESULT 3

US-09-988-686-28  
; Sequence 28, Application US/09988686  
; Publication No. US20030120052A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,686  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 28  
; LENGTH: 26664  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (910)..(13104)  
; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:  
; OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;  
; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:  
; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:  
; OTHER INFORMATION: 13032-13104;  
; NAME/KEY: misc feature  
; LOCATION: (13756)..(22917)  
; OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon  
; OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:  
; OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:  
; OTHER INFORMATION: 22172-22310; exon 18: 22879-22917  
; NAME/KEY: misc feature  
; LOCATION: (23045)..(26452)  
; OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon  
; OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:  
; OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation  
; OTHER INFORMATION: signal: 26447-26452  
; NAME/KEY: variation  
; LOCATION: (826)..(23879)  
; OTHER INFORMATION: s at positions 826 and 23180 is G or C; Y at  
; OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486  
; OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at  
; OTHER INFORMATION: positions 22211 and 23879 is A or G.  
US-09-988-686-28

Query Match 100.0%; Score 501; DB 10; Length 26664;  
Best Local Similarity 100.0%; Pred. No. 7.9e-160;  
Matches 501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GGTATGAGCTGTGCGAGGCTGGCTCCCAATAGACATAGTCTATAGTGCCTTT 60  
Db 26164 GGTATGAGCTGTGCGAGGCTGGCTCCCAATAGACATAGTCTATAGTGCCTTT 26223  
QY 61 AGGACTGTGCTGGCACAGCCGCGGCGGAGGCTGCCACACGGAAGCAGACATGA 120

Db 26224 AGGACTGTGCTGGCACAGCCGCGGCGGAGGCTGCCACACGGAAGCAGACATGA 26283  
QY 121 ACTAAATTCATTTCAAGGCAGTTTTTTAAAGAAAGTCTTTGAAACAGACGCGGCACCTTTC 180  
Db 26284 ACTAAATTCATTTCAAGGCAGTTTTTTAAAGAAAGTCTTTGAAACAGACGCGGCACCTTTC 26343  
QY 181 CTCTAATCCAGCAAAAGTGTCTCTGCCACACAGAGACAAGCAGAGTAACAGGATCAGTG 240  
Db 26344 CTCTAATCCAGCAAAAGTGTCTCTGCCACACAGAGACAAGCAGAGTAACAGGATCAGTG 26403  
QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATATAGTATTTTTCAGCTGCAATAAAGATTGAGTTTG 300  
Db 26404 GGTCTAAGTGTCCGAGACTTAACGAAATATAGTATTTTTCAGCTGCAATAAAGATTGAGTTTG 26463  
QY 301 CAATTGTGAGTTCTTTTGTCT 360  
Db 26464 CAATTGTGAGTTCTTTTGTCT 26523  
QY 361 ACCTTGGAGAAGGCTCTCTGT 420  
Db 26524 ACCTTGGAGAAGGCTCTCTGT 26583  
QY 421 AAGAAGTCAGCTCCCGTGTAGTGAGCACCTCTCGAACTGTCTCAGAGAGCCACCTTT 480  
Db 26584 AAGAAGTCAGCTCCCGTGTAGTGAGCACCTCTCGAACTGTCTCAGAGAGCCACCTTT 26643  
QY 481 ATTGCCCAAGTCTTTTGACA 501  
Db 26644 ATTGCCCAAGTCTTTTGACA 26664

## RESULT 4

US-09-988-626-27  
; Sequence 27, Application US/09988626  
; Publication No. US20030044959A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,626  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 27  
; LENGTH: 655  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)..(228)  
; OTHER INFORMATION: exon 24  
; NAME/KEY: polyA\_signal  
; LOCATION: (636)..(641)  
US-09-988-626-27

Query Match 60.5%; Score 303; DB 10; Length 655;  
Best Local Similarity 100.0%; Pred. No. 7.8e-93;  
Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GGTATGAGCTGTGCGAGGCTGGCTCCCAATAGACATAGTCTATAGTGCCTTT 60

Db 353 GGTATGGAGCTGTGCCGAGGCTTGGCTCCCAATAAGCACTAGTCTATAGATGCTCTT 412  
QY 61 AGGACTGGTGGCTGGCACAGCGCGGGCCAGGAGGCTGCCACACGGAAGCAAGCAGATGA 120  
Db 413 AGGACTGGTGGCTGGCACAGCGCGGGCCAGGAGGCTGCCACACGGAAGCAAGCAGATGA 472  
QY 121 ACTAATTTCAATTTCAAGGAGCTTTTAAAGAGTCTTTGAAAACAGACGCGGCACCTTTC 180  
Db 473 ACTAATTTCAATTTCAAGGAGCTTTTAAAGAGTCTTTGAAAACAGACGCGGCACCTTTC 532  
QY 181 CTCATATCCAGGAAGTATCCCTGCACACAGACAGACAGAGTAAACAGGATCAGTG 240  
Db 533 CTCATATCCAGGAAGTATCCCTGCACACAGACAGACAGAGTAAACAGGATCAGTG 592  
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTTTCAGCTGCAATAAGATTTGAGTTTG 300  
Db 593 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTTTCAGCTGCAATAAGATTTGAGTTTG 652  
QY 301 CAA 303  
Db 653 CAA 655

## RESULT 5

US-09-988-687-27  
; Sequence 27, Application US/09988687  
; Publication No. US20030045704A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigan, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,687  
; PRIOR FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 27  
; LENGTH: 655  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; NAME/KEY: misc feature  
; LOCATION: (1)-(228)  
; OTHER INFORMATION: exon 24  
; NAME/KEY: polyA\_signal  
; LOCATION: (636)-(641)  
US-09-988-687-27

Query Match 60.5%; Score 303; DB 10; Length 655;  
Best Local Similarity 100.0%; Pred. No. 7.8e-93;  
Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGGAGCTGTGCCGAGGCTTGGCTCCCAATAAGCACTAGTCTATAGATGCTCTT 60  
Db 353 GGTATGGAGCTGTGCCGAGGCTTGGCTCCCAATAAGCACTAGTCTATAGATGCTCTT 412  
QY 61 AGGACTGGTGGCTGGCACAGCGCGGGCCAGGAGGCTGCCACACGGAAGCAAGCAGATGA 120  
Db 413 AGGACTGGTGGCTGGCACAGCGCGGGCCAGGAGGCTGCCACACGGAAGCAAGCAGATGA 472  
QY 121 ACTAATTTCAATTTCAAGGAGCTTTTAAAGAGTCTTTGAAAACAGACGCGGCACCTTTC 180  
Db 473 ACTAATTTCAATTTCAAGGAGCTTTTAAAGAGTCTTTGAAAACAGACGCGGCACCTTTC 532  
QY 181 CTCATATCCAGGAAGTATCCCTGCACACAGACAGACAGAGTAAACAGGATCAGTG 240  
Db 533 CTCATATCCAGGAAGTATCCCTGCACACAGACAGACAGAGTAAACAGGATCAGTG 592  
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTTTCAGCTGCAATAAGATTTGAGTTTG 300  
Db 593 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTTTCAGCTGCAATAAGATTTGAGTTTG 652

QY 181 CTCATATCCAGGAAGTATCCCTGCACACAGACAGACAGAGTAAACAGGATCAGTG 240  
Db 533 CTCATATCCAGGAAGTATCCCTGCACACAGACAGACAGAGTAAACAGGATCAGTG 592  
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTTTCAGCTGCAATAAGATTTGAGTTTG 300  
Db 593 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTTTCAGCTGCAATAAGATTTGAGTTTG 652  
QY 301 CAA 303  
Db 653 CAA 655

## RESULT 6

US-09-988-686-27  
; Sequence 27, Application US/09988686  
; Publication No. US20030120052A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigan, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,686  
; PRIOR FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 27  
; LENGTH: 655  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; NAME/KEY: misc feature  
; LOCATION: (1)-(228)  
; OTHER INFORMATION: exon 24  
; NAME/KEY: polyA\_signal  
; LOCATION: (636)-(641)  
US-09-988-686-27

Query Match 60.5%; Score 303; DB 10; Length 655;  
Best Local Similarity 100.0%; Pred. No. 7.8e-93;  
Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGGAGCTGTGCCGAGGCTTGGCTCCCAATAAGCACTAGTCTATAGATGCTCTT 60  
Db 353 GGTATGGAGCTGTGCCGAGGCTTGGCTCCCAATAAGCACTAGTCTATAGATGCTCTT 412  
QY 61 AGGACTGGTGGCTGGCACAGCGCGGGCCAGGAGGCTGCCACACGGAAGCAAGCAGATGA 120  
Db 413 AGGACTGGTGGCTGGCACAGCGCGGGCCAGGAGGCTGCCACACGGAAGCAAGCAGATGA 472  
QY 121 ACTAATTTCAATTTCAAGGAGCTTTTAAAGAGTCTTTGAAAACAGACGCGGCACCTTTC 180  
Db 473 ACTAATTTCAATTTCAAGGAGCTTTTAAAGAGTCTTTGAAAACAGACGCGGCACCTTTC 532  
QY 181 CTCATATCCAGGAAGTATCCCTGCACACAGACAGACAGAGTAAACAGGATCAGTG 240  
Db 533 CTCATATCCAGGAAGTATCCCTGCACACAGACAGACAGAGTAAACAGGATCAGTG 592  
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTTTCAGCTGCAATAAGATTTGAGTTTG 300  
Db 593 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTTTCAGCTGCAATAAGATTTGAGTTTG 652





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; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 2958
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (51)..(2531)
; OTHER INFORMATION: coding sequence as in SEQ ID NO:1
US-09-988-686-3

Query Match          60.5%; Score:303; DB 10; Length 2958;
Best Local Similarity 100.0%; Pred. No. 1.9e-92;
Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGGAGCTGTGCGGAGGCTTGGCTCCACATAAGCACTAGTCTATAGATGCTCTT 60
Db 2656 GGTATGGAGCTGTGCGGAGGCTTGGCTCCACATAAGCACTAGTCTATAGATGCTCTT 2715

QY 61 AGGACTGGTCCCTGGCAGACCGCGGGCCAGGAGCTGCCACAGCAAGCAAGCAGATGA 120
Db 2716 AGGACTGGTCCCTGGCAGACCGCGGGCCAGGAGCTGCCACAGCAAGCAAGCAGATGA 2775

QY 121 ACTAATTTCAATTTCAAGGAGCTTTTAAAGAAAGTCTTGGAAACAGACGGCGGCACCTTTC 180
Db 2776 ACTAATTTCAATTTCAAGGAGCTTTTAAAGAAAGTCTTGGAAACAGACGGCGGCACCTTTC 2835

QY 181 CTCCTAATCCAGCAAGTGTATCCCTGCCACACAGAGCAAGCAAGTAAAGATCAGTGC 240
Db 2836 CTCCTAATCCAGCAAGTGTATCCCTGCCACACAGAGCAAGCAAGTAAAGATCAGTGC 2895

QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCAAGTGTGCAATAAGATGAGTTG 300
Db 2896 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCAAGTGTGCAATAAGATGAGTTG 2955

QY 301 CAA 303
Db 2956 CAA 2958

RESULT 10
US-10-108-260A-282
; Sequence 282, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20040005560A1 full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; PRIOR FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 282
; LENGTH: 2907
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-108-260A-282

Query Match          59.8%; Score 299.4; DB 16; Length 2907;
Best Local Similarity 99.7%; Pred. No. 3.2e-91;
Matches 300; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGTATGGAGCTGTGCGGAGGCTTGGCTCCACATAAGCACTAGTCTATAGATGCTCTT 60
Db 2607 GGTATGGAGCTGTGCGGAGGCTTGGCTCCACATAAGCACTAGTCTATAGATGCTCTT 2666

QY 61 AGGACTGGTCCCTGGCAGACCGCGGGCCAGGAGCTGCCACAGCAAGCAAGCAGATGA 120
Db 2666 AGGACTGGTCCCTGGCAGACCGCGGGCCAGGAGCTGCCACAGCAAGCAAGCAGATGA 2725

Query Match          59.2%; Score 296.6; DB 10; Length 2908;
Best Local Similarity 98.7%; Pred. No. 2.9e-90;
Matches 299; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGTATGGAGCTGTGCGGAGGCTTGGCTCCACATAAGCACTAGTCTATAGATGCTCTT 60
Db 2606 GGTATGGAGCTGTGCGGAGGCTTGGCTCCACATAAGCACTAGTCTATAGATGCTCTT 2665

QY 61 AGGACTGGTCCCTGGCAGACCGCGGGCCAGGAGCTGCCACAGCAAGCAAGCAGATGA 120
Db 2666 AGGACTGGTCCCTGGCAGACCGCGGGCCAGGAGCTGCCACAGCAAGCAAGCAGATGA 2725

QY 121 ACTAATTTCAATTTCAAGGAGCTTTTAAAGAAAGTCTTGGAAACAGACGGCGGCACCTTTC 180
Db 2726 ACTAATTTCAATTTCAAGGAGCTTTTAAAGAAAGTCTTGGAAACAGACGGCGGCACCTTTC 2785

QY 181 CTCCTAATCCAGCAAGTGTATCCCTGCCACACAGAGCAAGCAGAGTAAAGATCAGTGC 240
Db 2786 CTCCTAATCCAGCAAGTGTATCCCTGCCACACAGAGCAAGCAGAGTAAAGATCAGTGC 2845

QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCAAGTGTGCAATAAGATGAGTTG 300
Db 2907 C 2907

RESULT 11
US-09-988-626-223
; Sequence 223, Application US/09988626
; Publication No. US20030044959A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCES: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,626
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 223
; LENGTH: 2908
; TYPE: DNA
; ORGANISM: Pan troglodytes
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2478)
US-09-988-626-223

Query Match          59.2%; Score 296.6; DB 10; Length 2908;
Best Local Similarity 98.7%; Pred. No. 2.9e-90;
Matches 299; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGTATGGAGCTGTGCGGAGGCTTGGCTCCACATAAGCACTAGTCTATAGATGCTCTT 60
Db 2606 GGTATGGAGCTGTGCGGAGGCTTGGCTCCACATAAGCACTAGTCTATAGATGCTCTT 2665

QY 61 AGGACTGGTCCCTGGCAGACCGCGGGCCAGGAGCTGCCACAGCAAGCAAGCAGATGA 120
Db 2666 AGGACTGGTCCCTGGCAGACCGCGGGCCAGGAGCTGCCACAGCAAGCAAGCAGATGA 2725

QY 121 ACTAATTTCAATTTCAAGGAGCTTTTAAAGAAAGTCTTGGAAACAGACGGCGGCACCTTTC 180
Db 2726 ACTAATTTCAATTTCAAGGAGCTTTTAAAGAAAGTCTTGGAAACAGACGGCGGCACCTTTC 2785

QY 181 CTCCTAATCCAGCAAGTGTATCCCTGCCACACAGAGCAAGCAGAGTAAAGATCAGTGC 240
Db 2786 CTCCTAATCCAGCAAGTGTATCCCTGCCACACAGAGCAAGCAGAGTAAAGATCAGTGC 2845

QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCAAGTGTGCAATAAGATGAGTTG 300
Db 2907 C 2907
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Db 2846 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTTG 2905  
Qy 301 CAA 303  
|||  
Db 2906 CAA 2908

## RESULT 12

US-09-988-687-223  
; Sequence 223, Application US/09988687  
; Publication No. US20030045704A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigan, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,687  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 223  
; LENGTH: 2908  
; TYPE: DNA  
; ORGANISM: Pan troglodytes  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(2478)  
US-09-988-687-223

Query Match 59.2%; Score 296.6; DB 10; Length 2908;  
Best Local Similarity 98.7%; Pred. No. 2.9e-90;  
Matches 299; Conservative 0; Mismatches 4; Indels 0; Gaps 0;  
Qy 1 GGTATGGAGCTGTGCCGAGGCTTGGGCTCCACATAGCACTAGTCTATAGTGCCTCTT 60  
Db 2606 GGTATGGAGCTGTGCCAAGGCTTGGGCTCCACATAAGCACTAGTCTATAGTGCCTCTT 2665  
Qy 61 AGGACTGGTGTCTGCACAGCGCGGGCCAGAGGCTGCCACAGCAAGCAAGCAGATGA 120  
Db 2666 AGGACTGGTGTCTGCACAGCGCGGGCCAGAGGCTGCCACAGCAAGCAAGCAGATGA 2725  
Qy 121 ACTAATTTCAATTTCAAGGAGTCTTTTAAAGAGTCTTTGAAACAGACGGCGGCACCTTTC 180  
Db 2726 ACTAATTTCAATTTCAAGGAGTCTTTTAAAGAGGCTTTGAAACAGACGGCGGCACCTTTC 2785  
Qy 181 CTCTAATCCAGCAAGTATTCCTCCACACAGACAGCAAGCAGATTAACAGGATCAGTG 240  
Db 2786 CTCTAATCCAGCAAGTATTCCTCCACACAGACAGCAAGCAGATTAACAGGATCAGTG 2845  
Qy 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTTG 300  
Db 2846 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTTG 2905  
Qy 301 CAA 303  
|||  
Db 2906 CAA 2908

## RESULT 13

US-09-988-686-223  
; Sequence 223, Application US/09988686  
; Publication No. US20030120052A1  
; GENERAL INFORMATION:

; APPLICANT: Tavtigan, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,686  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 223  
; LENGTH: 2908  
; TYPE: DNA  
; ORGANISM: Pan troglodytes  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(2478)  
US-09-988-686-223

Query Match 59.2%; Score 296.6; DB 10; Length 2908;  
Best Local Similarity 98.7%; Pred. No. 2.9e-90;  
Matches 299; Conservative 0; Mismatches 4; Indels 0; Gaps 0;  
Qy 1 GGTATGGAGCTGTGCCGAGGCTTGGGCTCCACATAGCACTAGTCTATAGTGCCTCTT 60  
Db 2606 GGTATGGAGCTGTGCCAAGGCTTGGGCTCCACATAAGCACTAGTCTATAGTGCCTCTT 2665  
Qy 61 AGGACTGGTGTCTGCACAGCGCGGGCCAGAGGCTGCCACAGCAAGCAAGCAGATGA 120  
Db 2666 AGGACTGGTGTCTGCACAGCGCGGGCCAGAGGCTGCCACAGCAAGCAAGCAGATGA 2725  
Qy 121 ACTAATTTCAATTTCAAGGAGTCTTTTAAAGAGTCTTTGAAACAGACGGCGGCACCTTTC 180  
Db 2726 ACTAATTTCAATTTCAAGGAGTCTTTTAAAGAGGCTTTGAAACAGACGGCGGCACCTTTC 2785  
Qy 181 CTCTAATCCAGCAAGTATTCCTCCACACAGACAGCAAGCAGATTAACAGGATCAGTG 240  
Db 2786 CTCTAATCCAGCAAGTATTCCTCCACACAGACAGCAAGCAGATTAACAGGATCAGTG 2845  
Qy 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTTG 300  
Db 2846 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTTG 2905  
Qy 301 CAA 303  
|||  
Db 2906 CAA 2908

## RESULT 14

US-09-988-626-225  
; Sequence 225, Application US/09988626  
; Publication No. US20030044959A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigan, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,626  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05

PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 225  
LENGTH: 2892  
TYPE: DNA  
ORGANISM: Gorilla gorilla  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (1)..(2478)  
US-09-988-626-225

Query Match 50.8%; Score 254.6; DB 10; Length 2892;  
Best Local Similarity 93.4%; Pred. No. 7.3e-76;  
Matches 283; Conservative 0; Mismatches 4; Indels 16; Gaps 1;

QY 1 GGTATGGAGCTGTGCCGAGGCTTGGGCTCCACATAAGCACTAGTCTATAGATGCCCTTT 60  
DB 2606 GGTATGGAGCTGTGCCGAGGCTTAGGCTCCACATAAGCACTAGTCTATAGATGCCCTTT 60  
QY 61 AGGACTGTGCTGGCAGACAGCCGCGGCGGAGGCTGCCACACGGAAGCAAGCAGATGA 120  
DB 2656 -----GGTGCCTGGCAGACAGCCGCGGCGGAGGCTGCCACACGGAAGCAAGCAGATGA 2709  
QY 121 ACTAATTTTCATTTCAAGGAGCTTTTAAAGAAAGTCTTTGAAACAGACGCGGCACCTTTC 180  
DB 2710 ACTAATTTTCATTTCAAGGAGCTTTTAAAGAAAGTCTTTGAAACAGACGCGGCACCTTTC 2769  
QY 181 CTCTAATCCAGCAAAAGTGTATCCCTCCACACCAAGCAAGCAGAGTAAACAGATCAGTG 240  
DB 2770 CTCTAATCCAGCAAAAGTGTATCCCTCCACACCAAGCAAGCAGAGTAAACAGATCAGTG 2829  
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTTG 300  
DB 2830 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTTG 2889  
QY 301 CAA 303  
DB 2890 CAA 2892

Search completed: July 31, 2004, 13:27:20  
Job time : 246.395 secs

PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 225  
LENGTH: 2892  
TYPE: DNA  
ORGANISM: Gorilla gorilla  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (1)..(2478)  
US-09-988-626-225

Query Match 50.8%; Score 254.6; DB 10; Length 2892;  
Best Local Similarity 93.4%; Pred. No. 7.3e-76;  
Matches 283; Conservative 0; Mismatches 4; Indels 16; Gaps 1;

QY 1 GGTATGGAGCTGTGCCGAGGCTTGGGCTCCACATAAGCACTAGTCTATAGATGCCCTTT 60  
DB 2606 GGTATGGAGCTGTGCCGAGGCTTAGGCTCCACATAAGCACTAGTCTATAGATGCCCTTT 60  
QY 61 AGGACTGTGCTGGCAGACAGCCGCGGCGGAGGCTGCCACACGGAAGCAAGCAGATGA 120  
DB 2656 -----GGTGCCTGGCAGACAGCCGCGGCGGAGGCTGCCACACGGAAGCAAGCAGATGA 2709  
QY 121 ACTAATTTTCATTTCAAGGAGCTTTTAAAGAAAGTCTTTGAAACAGACGCGGCACCTTTC 180  
DB 2710 ACTAATTTTCATTTCAAGGAGCTTTTAAAGAAAGTCTTTGAAACAGACGCGGCACCTTTC 2769  
QY 181 CTCTAATCCAGCAAAAGTGTATCCCTCCACACCAAGCAAGCAGAGTAAACAGATCAGTG 240  
DB 2770 CTCTAATCCAGCAAAAGTGTATCCCTCCACACCAAGCAAGCAGAGTAAACAGATCAGTG 2829  
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTTG 300  
DB 2830 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTTG 2889  
QY 301 CAA 303  
DB 2890 CAA 2892

RESULT 15  
US-09-988-687-225  
Sequence 225, Application US/0998687  
Publication No. US20030045704A1  
GENERAL INFORMATION:  
APPLICANT: Tavtigan, Sean V.  
APPLICANT: Teng, David H.P.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/988,687  
CURRENT FILING DATE: 2001-11-20  
PRIOR APPLICATION NUMBER: 09/564,805  
PRIOR FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 225  
LENGTH: 2892  
TYPE: DNA  
ORGANISM: Gorilla gorilla  
FEATURE:  
NAME/KEY: CDS

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 31, 2004, 05:18:38 ; Search time 240.493 Seconds

(without alignments)  
6825.753 Million cell updates/sec

Title: US-09-434-382-3

Perfect score: 2958

Sequence: 1 cgcggcgtagtgaccggc.....aataaagatgagttgcaa 2958

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents\_NA.\*

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2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq.\*  
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6: /cgn2\_6/ptodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2958	100.0	2958	4	US-09-564-805-3
2	2874.4	97.2	2908	4	US-09-564-805-223
3	2819.6	95.3	2892	4	US-09-564-805-225
4	2481	83.9	2481	4	US-09-564-805-1
5	1645.6	55.6	2470	4	US-09-564-805-221
6	734.8	24.8	783	4	US-09-833-381-2039
7	657.2	22.2	26664	4	US-09-564-805-28
8	655	22.1	655	4	US-09-564-805-27
9	470.4	15.9	536	4	US-09-833-381-2038
10	297.4	10.1	350	4	US-09-564-805-210
11	295	10.0	295	4	US-09-564-805-4
12	237	8.0	238	3	US-09-328-111-315
13	145	4.9	145	4	US-09-564-805-26
14	139	4.7	139	4	US-09-564-805-16
15	139	4.7	139	4	US-09-564-805-20
16	121	4.1	121	4	US-09-564-805-24
17	120	4.1	120	4	US-09-564-805-10
18	119	4.0	119	4	US-09-564-805-18
19	118.4	4.0	326	4	US-09-564-805-212
20	113	3.8	113	4	US-09-564-805-14
21	110	3.7	110	4	US-09-564-805-22
22	100	3.4	100	4	US-09-564-805-23
23	97	3.3	97	4	US-09-564-805-19
24	96	3.2	96	4	US-09-564-805-15
25	86	2.9	86	4	US-09-564-805-17
26	79	2.7	79	4	US-09-564-805-25
27	73	2.5	73	4	US-09-564-805-13

#### ALIGNMENTS

##### RESULT 1

US-09-564-805-3

; Sequence 3, Application US/09564805

; Patent No. 6333403

; GENERAL INFORMATION:

; APPLICANT: Tavtigian, Sean V.

; APPLICANT: Teng, David H.F.

; APPLICANT: Simard, Jacques

; APPLICANT: Rommens, Johanna M.

; APPLICANT: Myriad Genetics, Inc.

; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes

; FILE REFERENCE: 2318-258

; CURRENT APPLICATION NUMBER: US/09/564,805

; CURRENT FILING DATE: 2000-05-05

; PRIOR APPLICATION NUMBER: US 60/107,468

; PRIOR FILING DATE: 1998-11-06

; PRIOR APPLICATION NUMBER: 09/434,382

; PRIOR FILING DATE: 1999-11-05

; NUMBER OF SEQ ID NOS: 240

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 3

; LENGTH: 2958

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc feature

; LOCATION: (51)..(2931)

; OTHER INFORMATION: coding sequence as in SEQ ID NO:1

US-09-564-805-3

Query Match 100.0%; Score 2958; DB 4; Length 2958;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 2958; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	CGCGGCGTAGTGACCGCGCGCTTCTCAGTTTGGTGGAGACGGCGCATGTGGCGC	60
Db	1	CGCGGCGTAGTGACCGCGCGCTTCTCAGTTTGGTGGAGACGGCGCATGTGGCGC	60
Qy	61	TTTGTCTCGTCTGCGGTCCGCGCGCGGACGACCATGTCCAGGAGACGACCATATCG	120
Db	61	TTTGTCTCGTCTGCGGTCCGCGCGCGGACGACCATGTCCAGGAGACGACCATATCG	120
Qy	121	AGGACACCG	180
Db	121	AGGACACCG	180
Qy	181	AGAGGCGCGACCGTGGGGTCTCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG	240
Db	181	AGAGGCGCGACCGTGGGGTCTCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG	240

QY 241 CAGCGGTAGCCGGACTCGGCGCGCGCTCTAGCTCTTCTCCGAGTTCAACCGGTATC 300  
Db 241 CAGCGGTAGCCGGACTCGGCGCGCGCGCTCTAGCTCTTCTCCGAGTTCAACCGGTATC 300  
QY 301 TCTTCAACTGTGGAGAGCGGTTTCAGAGACTCATGACGAGACACAAGTTAAAGGTTGCTC 360  
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QY 361 GCCTGGAACAATATTCCTGACAGAAATGCACTGCTTAAATGTTGGGGGCTTAAAGTGA 420  
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QY 421 TGAATCTTACTTTAAAGGAAACCGGCTTCCAAAGTGTGACTTTCTGGACTCCACAAC 480  
Db 421 TGAATCTTACTTTAAAGGAAACCGGCTTCCAAAGTGTGACTTTCTGGACTCCACAAC 480  
QY 481 TGAATAATACCTCGAAGCAATCAAAATATTTTCTGGTCCATTTGAAAGGAATAGAACTGG 540  
Db 481 TGAATAATACCTCGAAGCAATCAAAATATTTTCTGGTCCATTTGAAAGGAATAGAACTGG 540  
QY 541 CTGTGGGCCCCACTCTGCCCCAGAAATAGAGATGAAACCATGACAGTTTACAGATCC 600  
Db 541 CTGTGGGCCCCACTCTGCCCCAGAAATAGAGATGAAACCATGACAGTTTACAGATCC 600  
QY 601 CCATACACAGTGAACAGAGAGGGGAAAGACCAACCATGCGAGAGTCCAGAAAGGCTC 660  
Db 601 CCATACACAGTGAACAGAGAGGGGAAAGACCAACCATGCGAGAGTCCAGAAAGGCTC 660  
QY 661 TCAGCAGGCTAGTCCAGAGCCATCTTCAGACTCCGAGTCCGATGAAATGAGCCACACC 720  
Db 661 TCAGCAGGCTAGTCCAGAGCCATCTTCAGACTCCGAGTCCGATGAAATGAGCCACACC 720  
QY 721 TTCCACATCGTGTAGCCAGAGAGAGGGGTGAGGACTCTTCCCTGGTCTGCTAGCTTTCA 780  
Db 721 TTCCACATCGTGTAGCCAGAGAGAGGGGTGAGGACTCTTCCCTGGTCTGCTAGCTTTCA 780  
QY 781 TCTGTAAAGCTTCACTTAAAGAGAGAACTTCTGGTCTCAAGACGCGGAAAGCA 900  
Db 781 TCTGTAAAGCTTCACTTAAAGAGAGAACTTCTGGTCTCAAGACGCGGAAAGCA 900  
QY 841 TCCAGTTGGGACAGTGCCTCCATCATTTGCTGCTCAAGACGCGGAAAGCA 900  
Db 841 TCCAGTTGGGACAGTGCCTCCATCATTTGCTGCTCAAGACGCGGAAAGCA 900  
QY 901 TCACATGAAGAGAGAGATTTTGGCTGAAGAGCTGTACTCTCCAGATCCTGGTG 960  
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Db 961 CTGCTTTTGGTGTAGATGCTCCAGATGAAGCTTCAATCAACCCATCTGTGAGATG 1020  
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Db 1141 ACACCCAGCACTTGTCTGATGAGAACTGTGCTCAGTTTCAACACCTTCGACGCCACA 1200  
QY 1201 AGATTCAACCCAGCTCAACCTCATCCACCGGACATCTTCCCTCTGCTCAACGATTTC 1260  
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QY 1261 GCTGTAAAGAGAGGGCCCCACCTCAGTGTGCCCATGTTTCAAGGTTGAATGCTCTCA 1320  
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QY 1321 AGTACAGCTCCGTCCAGAGGAGTGGCAGAGGATGCCATTATTACTTGCATCTCTG 1380  
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QY 1681 TGTGCGCTCATTTACGAGAGACAGGCTCCTGGGACAGGCTCCTGGGACAGGCTGCTG 1740  
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QY 1741 GCCTCTGGCATCTTTGGGAAAGCGCTTCAACCTTGTGCTGCTGCTGCTGCTGCTGCT 1800  
Db 1741 GCCTCTGGCATCTTTGGGAAAGCGCTTCAACCTTGTGCTGCTGCTGCTGCTGCTGCT 1800  
QY 1801 TCAAGCCTGGCTTCCAGAGTACCAACAGCAGTGCAGAGGCTCCTGACACCATCAGTA 1860  
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QY 1861 TGATTCCTGCAATGCTTTCAGAGAGGCTGAGATCTCCAGTCTGCTGCTGCTGCTGCT 1920  
Db 1861 TGATTCCTGCAATGCTTTCAGAGAGGCTGAGATCTCCAGTCTGCTGCTGCTGCTGCT 1920  
QY 1921 TGATTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1980  
Db 1921 TGATTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1980  
QY 1981 ACTGCAAGCATGCTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2040  
Db 1981 ACTGCAAGCATGCTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2040  
QY 2041 CCGGGACACCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2100  
Db 2041 CCGGGACACCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2100  
QY 2101 TACATGAAGCCCTGGAAGATGCTTGGAGAGAGAGAGTGGAGAGAGAGAGAGAGAG 2160  
Db 2101 TACATGAAGCCCTGGAAGATGCTTGGAGAGAGAGAGTGGAGAGAGAGAGAGAGAG 2160  
QY 2161 CAACGCTCCCAAGCCTCAGCGTGGGATGCGATGAACGCGGAGTTCATTTATGCTGAAC 2220  
Db 2161 CAACGCTCCCAAGCCTCAGCGTGGGATGCGATGAACGCGGAGTTCATTTATGCTGAAC 2220  
QY 2221 ACTTACGAGCGCTATGCGAGGTCCTGCTTCAAGCCCACTTCAAGGAGAGAGTGG 2280  
Db 2221 ACTTACGAGCGCTATGCGAGGTCCTGCTTCAAGCCCACTTCAAGGAGAGAGTGG 2280  
QY 2281 GAGTTCCTTTGACACATGAGAGTCTGCTTGGAGCTTCCACATGCTCCCAAGCTGA 2340  
Db 2281 GAGTTCCTTTGACACATGAGAGTCTGCTTGGAGCTTCCACATGCTCCCAAGCTGA 2340  
QY 2341 TTCCCACTGAAGCCCTGCTTGGGAGATCGAGAGATGAGAGAGAGAGAGAGAGAG 2400  
Db 2341 TTCCCACTGAAGCCCTGCTTGGGAGATCGAGAGATGAGAGAGAGAGAGAGAGAG 2400  
QY 2401 AGCGGGAGTGGCGGAGGTCGCGGCGCTCCTGCTGCTGAGGAGCTGCGAGGCGCTG 2460



1131 TTTGGGCTTGACACCCAGCACTTGGTCTCTGAATGAACTGTGCTCTCAAGTTCAACCTT 1130  
1081 TTTGGGCTTGACACCCAGCACTTGGTCTCTGAATGAACTGTGCTCTCAAGTTCAACCTT 1140  
1191 CGCAGCCACAAGATTCAAAACCCAGCTCAACCTCACTCCACCCGAGCATCTTCCCTCGTGC 1250  
1141 CGCAGCCACAAGATTCAAAACCCAGCTCAACCTCACTCCACCCGAGCATCTTCCCTCGTGC 1200  
1251 ACCAGTTTCCGCTGAAGAGAGAGGCCCCACCTCAGTGTGCCCATGGTTCAAGGTGAA 1310  
1201 ACCAGTTTCCGCTGAAGAGAGAGGCCCCACCTCAGTGTGCCCATGGTTCAAGGTGAA 1260  
1311 TGCCTCTCAAGTACAGCTCCGCTCCAGAGGAGTGCAGAGGATGCCATTATTACT 1370  
1261 TGCCTCTCAAGTACAGCTCCGCTCCAGAGGAGTGCAGAGGATGCCATTATTACT 1320  
1371 TGCATCTCTGAGGAATTCAATGTTGAGGCGCTGCAGCTTCCCACTTCCAGCAGAGTGTG 1430  
1321 TGCATCTCTGAGGAATTCAATGTTGAGGCGCTGCAGCTTCCCACTTCCAGCAGAGTGTG 1380  
1431 CAGGAGTACAGAGAGTGCAGAGAGCGCCAGACCCGAGCAGAGAGAGAGTCACTAC 1490  
1381 CAGGAGTACAGAGAGTGCAGAGAGCGCCAGACCCGAGCAGAGAGAGAGTCACTAC 1440  
1491 CCAGAAATCATCTTCTTGGAAACAGGCTCTGCCATCCCGATGAAGATTGAAATGTCACT 1550  
1441 CCAGAAATCATCTTCTTGGAAACAGGCTCTGCCATCCCGATGAAGATTGAAATGTCACT 1500  
1551 GCCACATCTGTCAATAGCCCGACAGCTCTCTGTCTCTGACTGTGAGTGTGAGGCA 1610  
1501 GCCACATCTGTCAATAGCCCGACAGCTCTCTGTCTCTGACTGTGAGTGTGAGGCA 1560  
1611 TTTGGGAGCTGTGCGCTATTACGAGACAGAGTGGACAGGCTCTCGGCACCTGGCT 1670  
1561 TTTGGGAGCTGTGCGCTATTACGAGACAGAGTGGACAGGCTCTCGGCACCTGGCT 1620  
1671 GTGTGTTTGTGTCCTCACTGACACAGATACACACAGGCTTCCCAAGTATCTTGCTG 1730  
1621 GTGTGTTTGTGTCCTCACTGACACAGATACACACAGGCTTCCCAAGTATCTTGCTG 1680  
1731 CAGAGAGACGCGCTTGGCATCTTGGAAAGCGCTTCACTTCTGCTGTGCTGCTGCTG 1790  
1681 CAGAGAGACGCGCTTGGCATCTTGGAAAGCGCTTCACTTCTGCTGTGCTGCTGCTG 1740  
1791 CCCAACCAAGCTCAAGGCTTGGCTCCAGCAGTACCAACACAGTGCAGAGGCTCTGCAC 1850  
1741 CCCAACCAAGCTCAAGGCTTGGCTCCAGCAGTACCAACACAGTGCAGAGGCTCTGCAC 1800  
1851 CACATCAGTATGATTCCTGCGCAATGCCCTCAGGAGGCGTGGATCTCCAGTCTTGCA 1910  
1801 CACATCAGTATGATTCCTGCGCAATGCCCTCAGGAGGCGTGGATCTCCAGTCTTGCA 1860  
1911 GTGGAAGATTGATCAGTTCGCTGTGCGAATCTGATTTGGAAGATTTCAGACCTGT 1970  
1861 GTGGAAGATTGATCAGTTCGCTGTGCGAATCTGATTTGGAAGATTTCAGACCTGT 1920  
1971 CTGGTGGGCACTGCAAGATCGCTTGGCTGTGCGCTGTGCGACACCTCTGGCTGAAA 2030  
1921 CTGGTGGGCACTGCAAGATCGCTTGGCTGTGCGCTGTGCGACACCTCTGGCTGAAA 1980  
2031 GTGGTCTATTTCGGGGACACCATGCCCTCGAGGCTCTGTCGGATGGGAAGATGCC 2090  
1981 GTGGTCTATTTCGGGGACACCATGCCCTCGAGGCTCTGTCGGATGGGAAGATGCC 2040  
2091 ACCCTCTGATACATGAAGCCACCTCGAAGATGTTTGAAGAGAGAGAGTGAAG 2150  
2041 ACCCTCTGATACATGAAGCCACCTCGAAGATGTTTGAAGAGAGAGAGTGAAG 2100  
2151 ACACAGCAGACACCTCCAGCCATCAGCGTGGGATGCCGATGAACCGGAGTTCA 2210  
2101 ACACAGCAGACACCTCCAGCCATCAGCGTGGGATGCCGATGAACCGGAGTTCA 2160  
2211 ATGCTGAACCACTTCAGCCAGCGCTATGCCAAGTTCCTTCCAGCCCACTTCAGC 2270

2161 ATGCTGAACCACTTCAGCCAGCGCTATGCCAAGTCCCCCTCTTCAGCCCACTTCAC 2220  
2271 GAGAAAGTGGAGTTCCTTTTGACCAATGAAGTCTGCTTTGGAGACTTTCAACAATG 2330  
2221 GAGAAAGTGGAGTTCCTTTTGACCAATGAAGTCTGCTTTGGAGACTTTCAACAATG 2280  
2331 CCACAGTATTTCCCACTGAAGCCCTTTGCTGGGACATCGAGAGATGGAGG 2390  
2281 CCACAGTATTTCCCACTGAAGCCCTTTGCTGGGACATCGAGAGATGGAGG 2340  
2391 CGCAGGAGAGAGCGGAGCTGCGGAGGTGCGGCGGCGCTCTCTGTCAGGAGTGGCA 2450  
2341 CGCAGGAGAGAGCGGAGCTGCGGAGGTGCGGCGGCGCTCTCTGTCAGGAGTGGCA 2400  
2451 GCGGCGCTGAGAGATGGGAGCTCAGCAGAGAGCGGCGGCGCACACAGAGAGCAGGCC 2510  
2401 GCGGCGCTGAGAGATGGGAGCTCAGCAGAGAGCGGCGGCGCACACAGAGAGCAGGCC 2460  
2511 AAGAAGTCAAGCCAGTGAAGATCTGGAGAGCCTGAACTCAGAAGGCTGTGTCTT 2570  
2461 AAGAAGTCAAGCCAGTGAAGATCTGGAGAGCCTGAACTCAGAAGGCTGTGTCTT 2520  
2571 CTCCCAAGCAGCAGCAGCCCTCTGCTCTGCTGTGTGTGTGTGTGTGTGTGTGTGT 2630  
2521 CTCCCAAGCAGCAGCAGCCCTCTGCTCTGCTGTGTGTGTGTGTGTGTGTGTGTGT 2580  
2631 CCCAGGAGCAGCTCAGGATGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2690  
2581 CCCAGGAGCAGCTCAGGATGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2640  
2691 AAGCACTAGTCTATAGATGCTCTTGAAGCTGTGTGTGTGTGTGTGTGTGTGTGTGT 2750  
2641 AAGCACTAGTCTATAGATGCTCTTGAAGCTGTGTGTGTGTGTGTGTGTGTGTGTGT 2700  
2751 CTGCCACACGGAAGCAGAGATGAATTAATTTCAATTTCAAGGAGTGTGTGTGTGTGTGT 2810  
2701 CTGCCACACGGAAGCAGAGATGAATTAATTTCAATTTCAAGGAGTGTGTGTGTGTGTGT 2760  
2811 TTGGAACACAGACGCGGCGCACCTTCTCTAATCCAGAAAGTGTTCCTGTGCACACCA 2870  
2761 TTGGAACACAGACGCGGCGCACCTTCTCTAATCCAGAAAGTGTTCCTGTGCACACCA 2820  
2871 GACAAGCAGAGTAAAGATCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2930  
2821 GACAAGCAGAGTAAAGATCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2880  
2931 TCAGCTGCAATAAAGATTGAGTTTGCA 2958  
2881 TCAGCTGCAATAAAGATTGAGTTTGCA 2908

## RESULT 3

US-09-564-805-225  
; Sequence 225, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: Patentin Ver. 2.0







Qy	771	GTAGCTTTTCATCTGTGTAAGCTTTCACCTTAAAGAGAGGAAACTTTCCTGGTGTCTCAAAAGCAAAG	830
Db	721	GTAGCTTTTCATCTGTGTAAGCTTTCATTTAAAGAGAGGAAACTTTCCTGGTGTCTCAAAAGCAAAG	780
Qy	831	GAGATGGGCTCCCGAGTTGGAGAGCTGCCATCGCTCCCATCATGCTGCTGTGTCAGAGGAC	890
Db	781	GAGATGGGCTCCCGAGTTGGAGAGCTGCCATCGCTCCCATCATGCTGCTGTGTCAGAGGAC	840
Qy	891	GGGAAAGACATCACTCATGTAAGGAAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCTCCA	950
Db	841	GGGAAAGACATCACTCATGTAAGGAAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCTCCA	900
Qy	951	GATCCTGGTGTGCTTTTGTGGTGTAGATGTCAGATGAAGAGCTTCATTCAACCCATC	1010
Db	901	GATCCTGGTGTGCTTTTGTGGTGTAGATGTCAGATGAAGAGCTTCATTCAACCCATC	960
Qy	1011	TGTGAGAATGCCACCTTTTCAGAGGTACCAAGGAAAGGCAGATGCCCGCTGGCCTTGGTG	1070
Db	961	TGTGAGAATGCCACCTTTTCAGAGGTACCAAGGAAAGGCAGATGCCCGCTGGCCTTGGTG	1020
Qy	1071	GTTTCACATGGCCCCCAGCATCTGTGCTTGTGGAAGCAGAGGTACCAAGAGTGGATGGAGAGG	1130
Db	1021	GTTTCACATGGCCCCCAGCATCTGTGCTTGTGGAAGCAGAGGTACCAAGAGTGGATGGAGAGG	1080
Qy	1131	TTTGGGCTGCACACCCAGCAGCTTGGTCTCTGAATGAACCTGTGCTCCTCAGTTCACAACCTT	1190
Db	1081	TTTGGGCTGCACACCCAGCAGCTTGGTCTCTGAATGAACCTGTGCTCCTCAGTTCACAACCTT	1140
Qy	1191	CGAGCCACAAGATTTAAACCCAGCTCAACCTCATCCAACCGAGACATCTTCCCGCTGCTC	1250
Db	1141	CGAGCCACAAGATTTAAACCCAGCTCAACCTCATCCAACCGAGACATCTTCCCGCTGCTC	1200
Qy	1251	ACCAGTTTCCGCTGTAGAAGAGGGGCCACCTCAGTGTGCCATGTGTTCAAGGTGAA	1310
Db	1201	ACCAGTTTCCGCTGTAGAAGAGGGGCCACCTCAGTGTGCCATGTGTTCAAGGTGAA	1260
Qy	1311	TGCCTCCTCAAGTACCAGCTCCGTCCAGAGGGAGTGGCAGAGGGATGCCATTATTACT	1370
Db	1261	TGCCTCCTCAAGTACCAGCTCCGTCCAGAGGGAGTGGCAGAGGGATGCCATTATTACT	1320
Qy	1371	TGCAATCCTCAGGAATTCATAGTTGAGGCGCTGCAGTTCCCACTTCCAGCAGAGCGGTG	1430
Db	1321	TGCAATCCTCAGGAATTCATAGTTGAGGCGCTGCAGTTCCCACTTCCAGCAGAGCGGTG	1380
Qy	1431	CAGGAGTACAGGAGGAGTGGCGCAGGACGGCCACGCCCCAGCAGAGAAAAGATCAGTAC	1490
Db	1381	CAGGAGTACAGGAGGAGTGGCGCAGGACGGCCACGCCCCAGCAGAGAAAAGATCAGTAC	1440
Qy	1491	CCGAAATCATCTTCTTTGGAACAGGGTCTGCCATCCCGATGAAGATTGGAATGTCAGT	1550
Db	1441	CCGAAATCATCTTCTTTGGAACAGGGTCTGCCATCCCGATGAAGATTGGAATGTCAGT	1500
Qy	1551	GCCACACTTGTCAACATAAGCCCCGACACAGCTCTCTGCTACTGGACCTGTGGTGAAGGCACA	1610
Db	1501	GCCACACTTGTCAACATAAGCCCCGACACAGCTCTCTGCTACTGGACCTGTGGTGAAGGCACA	1560
Qy	1611	TTTGGGAGCTGTGCGGTCAATTACGGAGACAGGTGACAGGTCTCTGGGCAACCTTGGCTG	1670
Db	1561	TTTGGGAGCTGTGCGGTCAATTACGGAGACAGGTGACAGGTCTCTGGGCAACCTTGGCTG	1620
Qy	1671	GCTGTGTTTGTGTCCCACTTCAGCAGAGATCAACACACGGGCTTGCCAAAGTATCTTGTCTG	1730
Db	1621	GCTGTGTTTGTGTCCCACTTCAGCAGAGATCAACACACGGGCTTGCCAAAGTATCTTGTCTG	1680
Qy	1731	CAGAGAAACGCGCTTTGGCATCTTTGGGAAAGCCGCTTCAACCTTTGCTGGTGGTGGC	1790
Db	1681	CAGAGAAACGCGCTTTGGCATCTTTGGGAAAGCCGCTTCAACCTTTGCTGGTGGTGGC	1740
Qy	1791	CCCAACAGCTCAAAAGCCTGGCTCCAGAGTACCAACAACAGTGCAGAGAGTCTCTGCAC	1850
Db	1741	CCCAACAGCTCAAAAGCCTGGCTCCAGAGTACCAACAACAGTGCAGAGAGTCTCTGCAC	1800
Qy	1851	CACATCAGTATGATTCTCTGCAAAATGCTTTCAGGAAGGGCTCAGAGTCTCCAGTCTCTGCA	1910

RESULT 5

US-09-564-805-221

US-09-364-803-221  
: Sequence 221. Application US/09564805

; sequence 221, Appl  
: Patent No. 6333403; PACIFIC NO. 6333403  
: GENERAL INFORMATION:

; GENERAL INFORMATION: Sean V.  
: APPLICANT: Taytigion.

APPLICANT: Teng. David H. F.

APPLICANT: Simard, Jacques

APPLICANT: SIMARD, Jacques  
APPLICANT: ROMMENS, Johanna M

APPLICANT: ROMMENS, JOHANNA M.  
APPLICANT: Myriad Genetics, Inc.

APPLICANT: Myriad Genetics, Inc.

TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility Gene and a Paralogous Genes

: TITLE OF INVENTION:

1. TITLE OF INVENTION: Gene and a Paralog

FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: IIS/08/564 805

; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05

; CURRENT FILING DATE: 2000-05-05  
 ; PRIOR APPLICATION NUMBER: US 60/107 168

; PRIOR APPLICATION NUMBER: US 60/107,468  
 ; PRIOR FILING DATE: 1998-11-06

PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 00/424-282

; PRIOR APPLICATION NUMBER: 09/434,382  
 ; FILING DATE: 1000 11 05

PRIOR FILING DATE: 1999-11-05

; NUMBER OF SEQ ID NOS: 240

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; SOFTWARE: PatentIn Ver. 2.0
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; SEQ ID NO 221

; LENGTH: 2470

TYPE: DNA

FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1) .. (2466)  
US-09-564-805-221

Query Match 55.6%; Score 1645.6; DB 4; Length 2470;  
Best Local Similarity 81.6%; Pred. No. 0;  
Matches 1958; Conservative 0; Mismatches 417; Indels 24; Gaps 4;

QY	108	CGCACCATATCGCAGCACC	CGCCCGCGCGAGCGCGCGCGCAAGCACCGCTGGGCAC	167
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QY	168	CTGCGCACCGCAGAGAG	CGCGGACCGTGGGGTCTCTCGGCGCGCCCAACACCGTGTAC	227
DB	100	CTGCGGTACCGCGGAG	GAAGCGCGCC-----GGGTCCCGGGCGCCGAAACACCGTGTAC	153
QY	228	CTGCGAGTGTGGCGAG	CGCGGTAGCGCGGACTCGGCGCGCGCTCTACGTCTTCTCCGAG	287
DB	154	CTGCGAGTGTGGCGCG	CGCGCGCGCGCGCGCGCGCTCTCTATGTCTTCTCGGAA	213
QY	288	TTCAACCGGTATCTCT	TCAACTGTGGAGAGCGGTTTCAGAGACTCATCGCAGGACACAAG	347
DB	214	TACACAGGTACTCTT	TAACTCGGAGAGCGGTTTCAACGACTTATCGAGGAACACAAG	273
QY	348	TTAAGGTTGTCTGCT	GTGACACATATTCGTGACGAATGCATGCTCTTCTTCTGGG	407
DB	274	ACTGAAGTCGCTCG	CTTGACACATCTTCTGACTCGGATGCTTGTCAAAATGTTGGG	333
QY	408	GGCTTAAAGTGAAT	GATTTCTACTTTAAAGGAAACCGGGCTTCCAAAGTGTACTTTCT	467
DB	334	GGTTGTGTGGATGAT	TTTAACTTTAAGGAAACCGGGCTTCCCAATGTTCTGTCT	393
QY	468	GGACTTCCACATCT	GAAGAAATACCTCGAAGCAATCAAAATATTTTCTGGTCCATTGAA	527
DB	394	GGACCACCAACAG	CTGAGAAATATCTAGAAGCAATCAAAATATTTTCTGGTCCATTGAA	453
QY	528	GGAAATAGACTGG	CTGTGGCGCCCACTCTGCCCGAGAAATACGAGGATGAACCAATGACA	587
DB	454	GGAAATAGAACTG	GGCGTGGCGCTCACCTGACCAAGATACAGGATGAGACCAATGACT	513
QY	588	GTTTACAGATCCC	ATACACAGTGAACAGAGAGGGGAAAGCACCAACATGGCAGAT	647
DB	514	GTTTACAGATCCC	TATCCACAGTGAACGAGGTGTGAAAGCAACAGCCATCCCAAGC	573
QY	648	CCAGAAAGGCTCT	CGAGCGCTCAGTCAGAGCGATCTTCAGACTCCGAGTCCGAAATGAA	707
DB	574	CCAGAAACATCTC	CCAAACAGGCTCAGTCCCAACAGTCAATCGGACTCTGGATCAGCTGAA	633
QY	708	AATGAGCCACAC	CTTCCATCGTGTGTAGCCAGAGAGAGGGGTGAGGAGCTCTTCCCTG	767
DB	634	AATGGSC-----	AGTCCAAACAGGAAGCATGGGGCAGGGAC-CTCTCTTA	678
QY	768	GTCTGAGCTTT	CATCTGTAAGCTTCACTTAAGAGAGGAATCTTGGTCTCAAGCA	827
DB	679	GTGGTGTGCTTT	GTGTGCAAGCTTCACTTGAGGAAGGAAATCTTCTGGTCTTAAAGCA	738
QY	828	AAGGAGATGGG	CTCCAGTGGGACAGCTGCCATCGCTCCCATCAATGCTGCTGTCAAG	887
DB	739	AAGGAGTGGG	CTTCTGTTGGAGCGCGCCATTGCAACCATCAATGCTGCTGTCAAG	798
QY	888	GACGGAAAGCA	TCTCATGAAAGAGAGATTTTGGCTGGAAGAGCTGTGTACTCT	947
DB	799	GACGGAAAGAT	CATCTTACGAAAGAGAGATTTGCTGTGGAAGAGCTTTGTACACCC	858
QY	948	CCAGATCTCTG	TGCTCTTTTGTGGTGTAGAAATGTCCAGATGAAGCTTCAATCAACCC	1007
DB	859	CCAGATCTCTG	TGCTCTTTTGTGGTGTAGAAATGTCCAGATGAAGCTTCAATCAACCC	918
QY	1008	ATCTGTGAGAA	TGCCACTTTTCAGAGGTACCAAGGAAAGGAGGATGCCCGCTGGCTTG	1067
DB	919	ATCTGTGAGAA	CGACACCTTTAAAGGTACCAAGGAGAGGCTGTATGATGATGCGGCTG	978

QY	1068	GTGTTTCAATGGCC	CCACAGATCTGTGTGTGGACAGCAGAGGTACACAGCAGTGGATGGAG	1127
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QY	1128	AGTGTGGGCTGAC	ACCAGCAGCTTGTCTTGAATGAACTGTGCTCCTCAGTTCACAAC	1187
DB	1039	AGTGTGGGCTGAC	ACCAGCAGCTTGTCTTGAATGAACTGTGCTCCTCAGTTCACAAC	1098
QY	1188	CTTTCGAGCCACA	AGATTCAAACCCAGCTCAACCTCATCCACCCGAGACATTTCCCCCTG	1247
DB	1099	CTGCGCAGCCACA	AGATTCAGACCCAGCTCAGCCTCATCCACCTGACATCTTCCCCCA	1158
QY	1248	CTCACAGTTTCCG	CTGTGAAGAGAGGGCCACCTCAGTGTGCCATGTTGAGGGT	1307
DB	1159	CTTACCAGCTTCT	ATATAGTGAAGAGGGTCCACCTCAGGTGCAACAGTTGCGGT	1218
QY	1308	GAATGCTCTCT	CAAGTACCAGCTCCCTCCAGAGGAGTGGCAGAGGATGCCATTAFT	1367
DB	1219	GAATGCTCTCT	CAAGTACCAGCTCCCTCCAGAGGAGTGGCAGAGGATGCCATTAFT	1278
QY	1368	ACTTGCATCTCT	GAGAAATCATAGTTGAGGCGCTGCAGCTTCCCACTTCCAGCAGAC	1427
DB	1279	GACTGCAATACT	GATGATTAAGTGTAGGCTTGGAGCTTCCCACTTCCAGGAGAT	1338
QY	1428	GTGAGGAGTAC	AGGAGTGGCAGAGCGGCCAGAGCGGCCAGAGGAGTGGCAGAGGAGT	1487
DB	1339	GTGAGGAGTAC	AGGAGTGGCAGAGCGGCCAGAGCGGCCAGAGGAGTGGCAGAGGAGT	1398
QY	1488	TACCCGAAATCAT	CTTCTTGGAAACAGGCTTGCATCCCGATGAGATTCGAAATGTC	1547
DB	1399	TATCTGAAATG	CTTCTTGGAAACAGGCTTGCATCCCACTGAGATTCGAAATGTC	1458
QY	1548	AGTGCCACACT	CTGCAACATAAGCCCGACAGCTCTCTGCTACTGCACTGTGTGAGGC	1607
DB	1459	AGTTCCACACT	CTGCAACATAAGCCCGACAGCTCTCTGCTACTGCACTGTGTGAGGC	1518
QY	1608	ACATTTGGG	CAGCTGCTCCATACGAGACAGGTTGACAGAGGTTCTGGGACCCCTG	1667
DB	1519	ACTTTTGGG	CAGCTGCTCCATACGAGACAGGTTGACAGAGGTTCTGGGACCCCTG	1578
QY	1668	GCTGCTGTGTT	GTGTCACCTGACAGCAGATCACCAACAGGCTTGCACAGATCTG	1727
DB	1579	ACGGCTGTGTT	GTGTCACCTGACAGCAGATCACCAACAGGCTTGCACAGATCTG	1638
QY	1728	CTGACAGAGAA	CGCGCTTGGCATCTTTGGGAAAGCCGCTTCAACCTTTGCTGGTGT	1787
DB	1639	CTGACAGAGAG	CATGGTGTGGCATCTCTGGGAAACCCCTTCCAGCCCTTGTGTGTG	1698
QY	1788	GCCTCCAA	CCAGCTCAAGCTGGCTCCAGCAGTACCAACAGGTCAGAGGTCCTG	1847
DB	1699	GCTCTAC	CCAGCTCAGGCTGGCTGGCAGCAGTATCAACACACCTGCCAGGATCTG	1758
QY	1848	CACCATCATGAT	ATGATCTCTGCAAAATGCTTTCAGGAAAGGCTGAGATCTCCAGTCT	1907
DB	1759	CACCATCATGAT	ATGATCTCTGCAAAATGCTTTCAGGAAAGGCTGAGATCTCCAGTCT	1818
QY	1908	GCAGTGAAGAA	AGATTCAGTTCGCTGTTGCGAAACATGATGATTTGGAAGAGTTTCA	1967
DB	1819	ACATTTGAAAG	GGTGTAGTTCGCTGTTGGAACATGATGATTTGGAAGAGTTTCA	1878
QY	1968	TGCTGTGGG	CACATGCAAGCATGGTGTGGCTGTGGCTGTGGCTGTGGCTGTGG	2027
DB	1879	TGCTGTGGG	CACATGCAAGCATGGTGTGGCTGTGGCTGTGGCTGTGGCTGTGG	1938
QY	2028	AAAGTGTCTT	ATTTCCGGGACACCATGTCCTGCGAGCTCTGCTGCGATGGGAAAGAT	2087
DB	1939	AAAGTGTCTT	ATTTCCGGGATACCATGTCCTGCGAGCTCTGCTGCGATGGGAAAGAT	1998
QY	2088	GCCACCTCTGAT	ATATGAGCCACCTCTGGAAGATGTTTGGAGAGGAGGAGCAGTGGAA	2147
DB	1999	GCCACCTCTGAT	ATATGAGCCACCTCTGGAAGATGTTTGGAGAGGAGGAGCAGTGGAA	2058
QY	2148	AAGACACACAG	CAACAGTCCCAAGCCATCAGCGTGGGATGCGGATGAAACGCGGAGTTC	2207

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Db 2059 AGGACACACAGCACCACCTCCAGGCTATTATGTGGGATGCGGATGCGAGTTC 2118
QY 2208 ATTATGCTGAACCACTTCAGCAGGCTATGCCAAGTGTCCCTCTTCAGGCCCAACTTC 2267
Db 2119 ATCATGCTGAACCACTTCAGTCAAGCGGACGCGGACGCGGCTTCAGCCCTGACTTC 2178
QY 2268 AGCGAGAAAGTGGAGTGGCTTTGACCAATGAGGTCTCTCTTTGGAGATTTTCCAAACA 2327
Db 2179 AACGAGAAAGTGGATCGCTTTGACCAATGAGGTCTCTCTTTGGAGATTTTCCCGACA 2328
QY 2328 ATGCCAAGCTGATTTCCCACTGAAGCCCTGTTTGTGCGACATCGAGGATGGAG 2387
Db 2239 GTGCCAAGCTGATTTCCCACTGAAGCCCTGTTTGTGCGAGTGAATTTGAAGATGGTG 2298
QY 2388 GAGCGCAGGAGAGAGCGGAGCTGGCGAGGTGGCGGCGGCTCTCTGTCAGGAGCTG 2447
Db 2299 GAACCGCAGGAGAGAGGAGGACTAGGCTGTGGAGCAGGCTCTCTGACC--CAGCAG 2355
QY 2448 CGAGCGGCTGGAGATGGGAGGCTCAGCAGAGCGGGGCCACACAGAGAGGCCACA 2506
Db 2356 GCAGACAGCCAGAGGACAGAGAACCCCAACAGAGCGGGGCCACACAGATGAACCCACA 2414

RESULT 6
US-09-833-381-2039
; Sequence 2039, Application US/09833381
; Patent No. 6672186
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
; FILE REFERENCE: 5800-119
; CURRENT APPLICATION NUMBER: US/09/833,381
; PRIOR FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/516,448
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 2050
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2039
; LENGTH: 783
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(783)
; OTHER INFORMATION: n = A,T,C or G
US-09-833-381-2039

Query Match 24.8%; Score 734.8; DB 4; Length 783;
Best Local Similarity 98.3%; Pred. No. 6e-190;
Matches 772; Conservative 0; Mismatches 10; Indels 3; Gaps 3;

QY 141 CGCGCGCGCAGGACCCGCTGGGACCTGGCAGCGGAGAGAGCGGACCGTCCGGG 200
Db 1 CGCGCGCGCAGGACCCGCTGGGACCTGGCAGCGGAGAGAGCGGACCGTCCGGG 60
QY 201 TGCTCCGCGCGCCCAACACCGTGTACCTGTGAGGTGGTGGCAGCGGCTAGCGGACTCG 260
Db 61 TGCTCCGCGCGCCCAACACCGTGTACCTGTGAGGTGGTGGCAGCGGCTA-CGGGACTCG 119
QY 261 GCGCGCGCGCTTACGCTTTCTCCAGTTCAACCGGTATCTTCAACTGTGGAGAGGC 320
Db 120 GCGCGCGCGCTTACGCTTTCTCCGAGTTCAACCGGTATCTTCAACTGTGGAGAGGC 179
QY 321 GTTCAGAGCTCATCAGGAGCACAAGTTAAAGTTGCTCGCCCGGACCAATATTCCTG 380
Db 180 GTTCAGAGCTCATCAGGAGCACAAGTTAAAGTTGCTCGCCCGGACCAATATTCCTG 239
QY 381 ACACGAATGCACTGTGCTAATGTTGGGGCTTAAAGTGAATGATCTTACTTTAAGGAA 440
Db 240 ACACGAATGCACTGTGCTAATGTTGGGGCTTAAAGTGAATGATCTTACTTTAAGGAA 299
QY 441 ACCGGGCTTCCAAAGTGTGACTTTCTGGACCTCCACAACTGGAAAAATACCTCGAGCA 500
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Db 300 ACCGGCTTCCAAAGTGTGACTTTCTGGACCTCCACAACTGGAAAAATACCTCGAGCA 359
QY 501 ATCAAAATATTTCTGGTCCATTTGAAGAAATAGAACTGGCTGTGGGCCCCCACTCTGCC 560
Db 360 ATCAAAATATTTCTGGTCCATTTGAAGAAATAGAACTGGCTGTGGGCCCCCACTCTGCC 419
QY 561 CCAGAAATAGAGGATGAAACCATGACAGTTTACCAGATCCCACATACACAGTGAACAGAG 620
Db 420 CCAGAAATAGAGGATGAAACCATGACAGTTTACCAGATCCCACATACACAGTGAACAGAG 479
QY 621 AGGGGAAAGCACCACCATGGCAGAGTCCAGAAAGCCCTTCAGCAGGCTCAGTCCAGAG 680
Db 480 AGGGGAAAGCACCACCATGGCAGAGTCCAGAAAGCCCTTCAGCAGGCTCAGTCCAGAG 539
QY 681 CGATCTTCAGACTCCAG--TCGAATGAAATGAGCCACACCTTCCACATGGTGTAGCCA 739
Db 540 CGATCTTCAGACTCCAGTTCGAATGAAATGAGCCACACCTTCCACATGGTGTAGCCA 599
QY 740 GAGAGAGGGGTGAGGACTCTTCCCTGGTGTAGTCTTCATCTGTAAAGCTTCACTTAA 799
Db 600 GAGAGAGGGGTGAGGACTCTTCCCTGGTGTAGTCTTCATCTGTAAAGCTTCACTTAA 659
QY 800 GAGAGAAACTTCTGCTCAAGCAAGAGAGATGGGCTCCCACTGGGACAGCTGC 859
Db 660 GAGAGAAACTTCTGCTCAAGCAAGAGAGATGGGCTCCCACTGGGAACTGC 718
QY 860 CATCGCTCCCATCATTGCTGTCAAGGACGGGAAAGCATCATCTGTAAAGGAAAGAGA 919
Db 719 CATCNCCTCCCATCATTGCTGTCAAGGACGNGNAAACCCACCCCAATAAGGAAAGA 778
QY 920 GATTT 924
Db 779 GATTT 783

RESULT 7
US-09-564-805-28
; Sequence 28, Application US/09564805
; Patent No. 633403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28
; LENGTH: 26664
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (910)...(13104)
; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
; OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
; NAME/KEY: misc feature
; LOCATION: (13756)...(22917)
; OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon
; OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
; OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
```

OTHER INFORMATION: 22172-22310; exon 18: 22879-22917  
NAME/KEY: misc feature  
LOCATION: (23045)..(26452)  
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon 21: 23973-24093; exon 22: 24354-24432; exon 23: 25026-25170; exon 24: 25812-26036; polyadenylation  
OTHER INFORMATION: signal: 26447-26452  
NAME/KEY: variation  
LOCATION: (826)..(23879)  
OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at positions 1914, 5568, 7165, 16431, 1857 and 20486  
OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at positions 22211 and 23879 is A or G.  
US-09-564-805-28

Query Match 22.2%; Score 657.2; DB 4; Length 26664;  
Best Local Similarity 99.5%; Pred. No. 5.6e-168;  
Matches 659; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2297 CATGAGTCTGCTTTGGAGACTTCCACAAATGCCAAGCTGATTCCTCCCACTGAAAGC 2356  
DB CTCTAGGCTCTGCTTTGGAGACTTCCACAAATGCCAAGCTGATTCCTCCCACTGAAAGC 25864  
QY 2357 CCTGTTTGCTGCGACATCAGGAGATGAGGAGCGCAGGGAGAACGCGGAGCTGCGCA 2416  
DB CCTGTTTGCTGCGACATCAGGAGATGAGGAGCGCAGGGAGAACGCGGAGCTGCGCA 25924  
QY 2417 GGTGGGGGGGGCTCTCTGTCAGGAGCTGCGAGCGGCTGGAGGATGGGAGCTCA 2476  
DB GGTGGGGGGGGCTCTCTGTCAGGAGCTGCGAGCGGCTGGAGGATGGGAGCTCA 25984  
QY 2477 GCAGAAAGCGGGGCCACACAGAGAGCCACAGCCCAAGAGGTGACAGGCCAGTGAAGATC 2536  
DB GCAGAAAGCGGGGCCACACAGAGAGCCACAGCCCAAGAGGTGACAGGCCAGTGAAGATC 26044  
QY 2537 TGGAGACCTGAACTCAGAGGCTGTGTCTTCTGCCCCACGACCGACCCGATCTG 2596  
DB TGGAGACCTGAACTCAGAGGCTGTGTCTTCTGCCCCACGACCGACCCGATCTG 26104  
QY 2597 CCTCTCTGCTGTAAGCTGAAGACGACGCTGCCAGGAGGCTGACAGGAGTGTG 2656  
DB CCTCTCTGCTGTAAGCTGAAGACGACGCTGCCAGGAGGCTGACAGGAGTGTG 26164  
QY 2657 GTATGAGCTGTGCGAGCTTGGCTCCACATAGCACTAGTCTATAGATGCTCTTA 2716  
DB GTATGAGCTGTGCGAGCTTGGCTCCACATAGCACTAGTCTATAGATGCTCTTA 26224  
QY 2717 GCACTGCTCTGCGACACGCGCGGCGGAGGCTGCCACGACGGAAGCAGCAGTAA 2776  
DB GCACTGCTCTGCGACACGCGCGGCGGAGGCTGCCACGACGGAAGCAGCAGTAA 26284  
QY 2777 CTAATTTCATTTCAAGGCAAGTTTTAAAGAAGCTTTGAAACAGACGCGCGCACCTTTCC 2836  
DB CTAATTTCATTTCAAGGCAAGTTTTAAAGAAGCTTTGAAACAGACGCGCGCACCTTTCC 26344  
QY 2837 TCTAATCAGCAAGTGTCTCTGCAACACAGACAGCAGAGTACAGATCAGTGG 2896  
DB TCTAATCAGCAAGTGTCTCTGCAACACAGACAGCAGAGTACAGATCAGTGG 26404  
QY 2897 GTCTAAGTCTCGAGACTTAACGAAATAGTATTTTTCAGTGCATTAAGATTTGATTTGC 2956  
DB GTCTAAGTCTCGAGACTTAACGAAATAGTATTTTTCAGTGCATTAAGATTTGATTTGC 26464  
QY 2957 AA 2958  
DB 26465 AA 26466

## RESULT 8

US-09-564-805-27  
Sequence 27, Application US/09564805  
Patent No. 6333403  
GENERAL INFORMATION:

APPLICANT: Tavtigian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/564,805  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 27  
LENGTH: 655  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (1)..(228)  
OTHER INFORMATION: exon 24  
NAME/KEY: polyA\_signal  
LOCATION: (636)..(641)  
US-09-564-805-27

Query Match 22.1%; Score 655; DB 4; Length 655;  
Best Local Similarity 100.0%; Pred. No. 2.8e-168; Indels 0; Gaps 0;  
Matches 655; Conservative 0; Mismatches 0;

QY 2304 GTCTGCTTTGGAGACTTCCACAAATGCCAAGCTGATTCCTCCCACTGAAAGCCTGTTT 2363  
DB 1 GTCTGCTTTGGAGACTTCCACAAATGCCAAGCTGATTCCTCCCACTGAAAGCCTGTTT 60  
QY 2364 GTTGGGCAATCAGAGATGAGGAGCGCAGGGAGAGCGGAGCTGCGGAGTGGCG 2423  
DB 61 GCTGGGCAATCAGAGATGAGGAGCGCAGGGAGAGCGGAGCTGCGGAGTGGCG 120  
QY 2424 GCGGCCCTCTGTCAGGAGCTGGCAGCGGCTGAGATGGGAGCTCAGCAGAAG 2483  
DB 121 GCGGCCCTCTGTCAGGAGCTGGCAGCGGCTGAGATGGGAGCTCAGCAGAAG 180  
QY 2484 CGGGCCACACAGAGAGCCACAGGCAAGAGGTGAGAGCCAGTGAAGATCTGGAGA 2543  
DB 181 CGGGCCACACAGAGAGCCACAGGCAAGAGGTGAGAGCCAGTGAAGATCTGGAGA 240  
QY 2544 CCTGAACTCAGAGGCTGTGTCTTCTGCCCCACGACGACCGCTATCTGCCCTCT 2603  
DB 241 CCTGAACTCAGAGGCTGTGTCTTCTGCCCCACGACGACCGCTATCTGCCCTCT 300  
QY 2604 TGCTGTAGAGCTGAAGAGCAGCGTCCCGAGGAGGAGCTCAGGATAGTGGTATGA 2663  
DB 301 TGCTGTAGAGCTGAAGAGCAGCGTCCCGAGGAGGAGCTCAGGATAGTGGTATGA 360  
QY 2664 GCTGTCCGAGGCTTGGGCTCCACATAGCACTAGTCTATAGTCCCTTTAGGACTGG 2723  
DB 361 GCTGTCCGAGGCTTGGGCTCCACATAGCACTAGTCTATAGTCCCTTTAGGACTGG 420  
QY 2724 TGCTGTGCAAGCGGCGGAGGCTGCCACAGGAGGAGCTGCCACAGGAGCAAGCAGATGAATTT 2783  
DB 421 TGCTGTGCAAGCGGCGGAGGAGCTGCCACAGGAGGAGCTGCCACAGGAGCAAGCAGATGAATTT 480  
QY 2784 CATTTCAAGGCTTTTAAAGAGTCTTGGAAACAGACGCGGCGACCTTTCTCTAATC 2843  
DB 481 CATTTCAAGGCTTTTAAAGAGTCTTGGAAACAGACGCGGCGACCTTTCTCTAATC 540  
QY 2844 CAGCAAGTGAATTCCTGCAACACAGAGCAAGCAGAGTAAACAGGATCAGTGGGCTTAAG 2903  
DB 541 CAGCAAGTGAATTCCTGCAACACAGAGCAAGCAGAGTAAACAGGATCAGTGGGCTTAAG 600  
QY 2904 TGTCGAGACTTAACGAAATAGTATTTTTCAGTGCATTAAGATTTGAGTTTGC 2958

Db 601 TGTCCGAGACTTAACGAAATAGTATTTTCAGCTGCAATAAAGATTGAGTTGGCAA 655

RESULT 9

US-09-833-381-2038

Sequence 2038, Application US/09833381

Patent No. 6672186

GENERAL INFORMATION:

APPLICANT: Robison, Keith E.

TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs

CURRENT APPLICATION NUMBER: US/09/833,381

PRIOR FILING DATE: 2001-04-11

PRIOR APPLICATION NUMBER: 09/516,448

PRIOR FILING DATE: 2000-02-29

NUMBER OF SEQ ID NOS: 2050

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 2038

LENGTH: 536

TYPE: DNA

ORGANISM: Homo sapiens

US-09-833-381-2038

Query Match 15.9%; Score 470.4; DB 4; Length 536;

Best Local Similarity 99.8%; Pred. No. 4.1e-118;

Matches 471; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 141 CGCGCGCGAAGGACCGCTGCGGACCTGGCAGCGAGAGAGAGAGCGGCGGCGG 200

Db 1 CGCGCGCGAAGGACCGCTGCGGACCTGGCAGCGAGAGAGAGAGCGGCGGCGG 60

Qy 201 TGCTCCGGCGGCCAAACACACCTGTACCTGCAGAGTGGTGGCAGCGGCTAGCGGACTCG 260

Db 61 TGCTCCGGCGGCCAAACACACCTGTACCTGCAGTGGTGGCAGCGGCTAGCGGACTCG 120

Qy 261 GCGCGCGGCTCTAGCTTCTCCAGTTCACCGGTAATCTTCAATCTGGAAGGC 320

Db 121 GCGCGCGGCTCTAGCTTCTCCAGTTCACCGGTAATCTTCAATCTGGAAGGC 180

Qy 321 GTTCAGAGACTCATCAGGAGCACAAGTTAAAGGTTGCTCGCTCGGACACATATTCCTG 380

Db 181 GTTCAGAGACTCATCAGGAGCACAAGTTAAAGGTTGCTCGCTCGGACACATATTCCTG 240

Qy 381 ACACGAATGCACTGCTTAATGTTGGGGCTTAAGTGAATGANTCTTACTTTAAAGGAA 440

Db 241 ACACGAATGCACTGCTTAATGTTGGGGCTTAAGTGAATGANTCTTACTTTAAAGGAA 300

Qy 441 ACCGGGCTCCAAAGTGTACTTTCTGGACCTCCACAACTGGAATAATCTCGAAGCA 500

Db 301 ACCGGGCTCCAAAGTGTACTTTCTGGACCTCCACAACTGGAATAATCTCGAAGCA 360

Qy 501 ATCAAAATATTTCTGGTCCATTGAAAGGAATAGAACTGGGTGTCGGGCCCACTCTGCC 560

Db 361 ATCAAAATATTTCTGGTCCATTGAAAGGAATAGAACTGGGTGTCGGGCCCACTCTGCC 420

Qy 561 CCAGAAATACAGGATGAACATGACAGTTACAGATCCCAATACAGTG 612

Db 421 CCAGAAATACAGGATGAACATGACAGTTACAGATCCCAATACAGTG 472

RESULT 10

US-09-564-805-210

Sequence 210, Application US/09564805

Patent No. 6333403

GENERAL INFORMATION:

APPLICANT: Tavtigian, Sean V.

APPLICANT: Teng, David H.F.

APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.

TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

FILE REFERENCE: 2318-258

CURRENT APPLICATION NUMBER: US/09/564,805

CURRENT FILING DATE: 2000-05-05

PRIOR FILING DATE: 1998-11-06

PRIOR APPLICATION NUMBER: 09/434,382

PRIOR FILING DATE: 1999-11-05

NUMBER OF SEQ ID NOS: 240

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 4

LENGTH: 295

TYPE: DNA

ORGANISM: Homo sapiens

TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes

FILE REFERENCE: 2318-258

CURRENT APPLICATION NUMBER: US/09/564,805

CURRENT FILING DATE: 2000-05-05

PRIOR APPLICATION NUMBER: US 60/107,468

PRIOR FILING DATE: 1998-11-06

PRIOR APPLICATION NUMBER: 09/434,382

PRIOR FILING DATE: 1999-11-05

NUMBER OF SEQ ID NOS: 240

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 210

LENGTH: 350

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (51)..(293)

US-09-564-805-210

Query Match 10.1%; Score 297.4; DB 4; Length 350;

Best Local Similarity 98.0%; Pred. No. 3.7e-71;

Matches 301; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 CGCGGGGTAGGTGACCGCGGGCTTCTCAGTTTGGTGGAGACGGCGCATGTGGCGC 60

Db 1 CGCGGGGTAGGTGACCGCGGGCTTCTCAGTTTGGTGGAGACGGCGCATGTGGCGC 60

Qy 61 TTTGCTCGCTGCTCGGTCGCGCGGACGACCATGTGCGAGGAGCAGCACCATATCGC 120

Db 61 TTTGCTCGCTGCTCGGTCGCGCGGACGACCATGTGCGAGGAGCAGCACCATATCGC 120

Qy 121 AGGCACCGCGCGCGGAGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 180

Db 121 AGGCACCGCGCGCGGAGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 180

Qy 181 AGAGCGCGACCGTGGGGTCTCGGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 240

Db 181 AGAGCGCGACCGTGGGGTCTCGGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 240

Qy 241 CAGCGGTAGTCCGGGACTCGGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 300

Db 241 CAGCGGTAGTCCGGGACTCGGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 300

Qy 301 TCTTCAA 307

Db 301 TCAACGA 307

RESULT 11

US-09-564-805-4

Sequence 4, Application US/09564805

Patent No. 6333403

GENERAL INFORMATION:

APPLICANT: Tavtigian, Sean V.

APPLICANT: Teng, David H.F.

APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.

APPLICANT: Myriad Genetics, Inc.

TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

FILE REFERENCE: 2318-258

CURRENT APPLICATION NUMBER: US/09/564,805

CURRENT FILING DATE: 2000-05-05

PRIOR FILING DATE: 1998-11-06

PRIOR APPLICATION NUMBER: 09/434,382

PRIOR FILING DATE: 1999-11-05

NUMBER OF SEQ ID NOS: 240

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 4

LENGTH: 295

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

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; NAME/KEY: misc feature
; LOCATION: (51)-(295)
; OTHER INFORMATION: exon 1
US-09-564-805-4

Query Match
Best Local Similarity 100.0%; Score 295; DB 4; Length 295;
Matches 295; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCGGCGTAGTGACCGCGGCTTCTCAGTTTGGTGAGACGGCGCATGTGGCGC 60
Db 1 CGCGGCGTAGTGACCGCGGCTTCTCAGTTTGGTGAGACGGCGCATGTGGCGC 60
QY 61 TTGTGCTGCTGCTGCGGTCGCGGCGGACGACCATGTGCGAGGAGCGACCATATCGC 120
Db 61 TTGTGCTGCTGCTGCGGTCGCGGCGGACGACCATGTGCGAGGAGCGACCATATCGC 120
QY 121 AGCACCCCGCCCGCGAGCGCGCCGCAAGACCCCGTGGCGCACTGGCGACGCGAG 180
Db 121 AGCACCCCGCCCGCGAGCGCGCCGCAAGACCCCGTGGCGCACTGGCGACGCGAG 180
QY 181 AGAAGCGCGACCGTCCGGGTGCTCCGGCGGCGCCAAACACCGTGTACCTGCAGGTGGTGG 240
Db 181 AGAAGCGCGACCGTCCGGGTGCTCCGGCGGCGCCAAACACCGTGTACCTGCAGGTGGTGG 240
QY 241 CAGCGGTAAGCGGGAAGTCCGGCGCGCGCTCTAGCTTCTCCGAGTTCAACCG 295
Db 241 CAGCGGTAAGCGGGAAGTCCGGCGCGCGCTCTAGCTTCTCCGAGTTCAACCG 295

RESULT 12
US-09-328-111-315
; Sequence 315, Application US/09328111
; Patent No. 6262333
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Derti, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; FILE REFERENCE: CCD-257 (US)
; CURRENT FILING DATE: US/09/328,111
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-08
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 315
; LENGTH: 238
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-328-111-315

Query Match
Best Local Similarity 100.0%; Score 237; DB 3; Length 238;
Matches 237; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 226 ACTGCAGGTGGTGGCAGCGGTAGCCGGGACTCGGCGCGCGCTCTACGTTCTCCG 285
Db 1 ACCTCAGGTGGTGGCAGCGGTAGCCGGGACTCGGCGCGCGCTCTACGTTCTCCG 60
QY 286 AGTTCAACCGGTATCTCTTCACTGTGGAGAGGCGCTTCAGAGACTCATGCAAGGACACA 345
Db 61 AGTTCAACCGGTATCTCTTCACTGTGGAGAGGCGCTTCAGAGACTCATGCAAGGACACA 120

; NAME/KEY: misc feature
; LOCATION: (51)-(295)
; OTHER INFORMATION: exon 1
US-09-564-805-4

Query Match
Best Local Similarity 100.0%; Score 295; DB 4; Length 295;
Matches 295; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCGGCGTAGTGACCGCGGCTTCTCAGTTTGGTGAGACGGCGCATGTGGCGC 60
Db 1 CGCGGCGTAGTGACCGCGGCTTCTCAGTTTGGTGAGACGGCGCATGTGGCGC 60
QY 61 TTGTGCTGCTGCTGCGGTCGCGGCGGACGACCATGTGCGAGGAGCGACCATATCGC 120
Db 61 TTGTGCTGCTGCTGCGGTCGCGGCGGACGACCATGTGCGAGGAGCGACCATATCGC 120
QY 121 AGCACCCCGCCCGCGAGCGCGCCGCAAGACCCCGTGGCGCACTGGCGACGCGAG 180
Db 121 AGCACCCCGCCCGCGAGCGCGCCGCAAGACCCCGTGGCGCACTGGCGACGCGAG 180
QY 181 AGAAGCGCGACCGTCCGGGTGCTCCGGCGGCGCCAAACACCGTGTACCTGCAGGTGGTGG 240
Db 181 AGAAGCGCGACCGTCCGGGTGCTCCGGCGGCGCCAAACACCGTGTACCTGCAGGTGGTGG 240
QY 241 CAGCGGTAAGCGGGAAGTCCGGCGCGCGCTCTAGCTTCTCCGAGTTCAACCG 295
Db 241 CAGCGGTAAGCGGGAAGTCCGGCGCGCGCTCTAGCTTCTCCGAGTTCAACCG 295

RESULT 13
US-09-564-805-26
; Sequence 26, Application US/09564805
; Patent No. 633403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT FILING DATE: US/09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 26
; LENGTH: 145
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(145)
; OTHER INFORMATION: exon 23
US-09-564-805-26

Query Match
Best Local Similarity 100.0%; Score 145; DB 4; Length 145;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2159 CACAAAGTCCCAAGCCATCAGCGTGGGATCGCGGATCGAAGCGGAGTTCATTATGCTGAA 2218
Db 1 CACAAAGTCCCAAGCCATCAGCGTGGGATCGCGGATCGAAGCGGAGTTCATTATGCTGAA 60
QY 2219 CCACCTCAGCCAGCGCTATCCCAAGTCCCTCTTCAGCCCACTTCAGCGAGAAAGT 2278
Db 61 CCACCTCAGCCAGCGCTATCCCAAGTCCCTCTTCAGCCCACTTCAGCGAGAAAGT 120
QY 2279 GGGAGTTGCCCTTTGACCACATGAAG 2303
Db 121 GGGAGTTGCCCTTTGACCACATGAAG 145

RESULT 14
US-09-564-805-16
; Sequence 16, Application US/09564805
; Patent No. 633403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT FILING DATE: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
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/ PRIOR APPLICATION NUMBER: US 60/107,468
/ PRIOR FILING DATE: 1998-11-06
/ PRIOR APPLICATION NUMBER: 09/434,382
/ PRIOR FILING DATE: 1999-11-05
/ NUMBER OF SEQ ID NOS: 240
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 16
/ LENGTH: 139
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (1)-(139)
/ OTHER INFORMATION: exon 13
US-09-564-805-16
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Query Match 4.7%; Score 139; DB 4; Length 139;
Best Local Similarity 100.0%; Pred. No. 2.7e-28;
Matches 139; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1130 GTTGGGCTGACACCGAGCTTGGTCTGTAATGAGAACTGTGCTCAGTTCAACCT 1189
Db 1 GTTGGGCTGACACCGAGCTTGGTCTGTAATGAGAACTGTGCTCAGTTCAACCT 60

QY 1190 TCGCAGCCACAGATTCAAAACCCAGCTCAACCTCATCCACCGGACATCTTCCCCCTGCT 1249
Db 61 TCGCAGCCACAGATTCAAAACCCAGCTCAACCTCATCCACCGGACATCTTCCCCCTGCT 120

QY 1250 CACAGTTTCGGCTGTAAG 1268
Db 121 CACAGTTTCGGCTGTAAG 139
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RESULT 15
US-09-564-805-20
/ Sequence 20, Application US/09564805
/ Patent No. 6333403
/ GENERAL INFORMATION:
/ APPLICANT: Tavtigian, Sean V.
/ APPLICANT: Teng, David H.F.
/ APPLICANT: Simard, Jacques
/ APPLICANT: Rommens, Johanna M.
/ APPLICANT: Myriad Genetics, Inc.
/ TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
/ TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
/ FILE REFERENCE: 2318-258
/ CURRENT APPLICATION NUMBER: US/09/564,805
/ CURRENT FILING DATE: 2000-05-05
/ PRIOR APPLICATION NUMBER: US 60/107,468
/ PRIOR FILING DATE: 1998-11-06
/ PRIOR APPLICATION NUMBER: 09/434,382
/ PRIOR FILING DATE: 1999-11-05
/ NUMBER OF SEQ ID NOS: 240
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 20
/ LENGTH: 139
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (1)-(139)
/ OTHER INFORMATION: exon 17
US-09-564-805-20
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Query Match 4.7%; Score 139; DB 4; Length 139;
Best Local Similarity 100.0%; Pred. No. 2.7e-28;
Matches 139; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1571 CCCGACAGCTCTGCTACTGCTGAGGAGGACATTTGGGAGAGCTGTGCCGTCA 1630
Db 1 CCCGACAGCTCTGCTACTGCTGAGGAGGACATTTGGGAGAGCTGTGCCGTCA 60

QY 1631 TTACGGAGACAGGTGGACAGGGTCTTGGGCCACCTGGCTGCTGTTTGTGTCCACCT 1690
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Db 61 TTACGGAGACAGGTGGACAGGGTCTTGGGCCACCTGGCTGCTGTTTGTGTCCACCT 120
QY 1691 GCACGCAGATCACCACAG 1709
Db 121 GCACGCAGATCACCACAG 139
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Search completed: July 31, 2004, 07:25:52  
Job time : 247.493 secs

**This Page Blank (uspio)**

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OM nucleic - nucleic search, using sw model

Run on: July 31, 2004, 07:06:00 ; Search time 1442.96 Seconds  
(without alignments)  
10051.226 Million cell updates/sec

Title: US-09-434-382-3

Perfect score: 2958

Sequence: 1 cgcggcgtagtgaccgcg.....aataagattgagttgcaa 2958

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 3222919 seqs, 2451570024 residues

Total number of hits satisfying chosen parameters: 6445938

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:\*

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- 2: /cgn2\_6/ptodata/1/pubna/PCT\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/1/pubna/US06\_PUBCOMB.seq:\*
- 4: /cgn2\_6/ptodata/1/pubna/US06\_PUBCOMB.seq:\*
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- 18: /cgn2\_6/ptodata/1/pubna/US60\_NEW\_PUB.seq:\*
- 19: /cgn2\_6/ptodata/1/pubna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	2958	100.0	2958	10	US-09-988-687-3
3	2958	100.0	2958	10	US-09-988-686-3
4	2874.4	97.2	2908	10	US-09-988-626-223
5	2874.4	97.2	2908	10	US-09-988-687-223
6	2874.4	97.2	2908	10	US-09-988-686-223
7	2822.4	95.4	2907	16	US-10-108-260A-222
8	2819.6	95.3	2892	10	US-09-988-626-225
9	2819.6	95.3	2892	10	US-09-988-687-225
10	2819.6	95.3	2892	10	US-09-988-686-225
11	2481	83.9	2481	10	US-09-988-626-1
12	2481	83.9	2481	10	US-09-988-687-1
13	2481	83.9	2481	10	US-09-988-686-1
14	1645.6	55.6	2470	10	US-09-988-626-221

ALIGNMENTS

RESULT 1

US-09-988-626-3  
; Sequence 3, Application US/09988626  
; Publication No. US2003004959A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigan, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,626  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 3  
; LENGTH: 2958  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (51)..(2531)  
; OTHER INFORMATION: coding sequence as in SEQ ID NO:1  
US-09-988-626-3

Query Match 100.0%; Score 2958; DB 10; Length 2958;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 2958; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Sequence 221, App  
Sequence 2039, Ap  
Sequence 28, Appl  
Sequence 28, Appl  
Sequence 28, Appl  
Sequence 27, Appl  
Sequence 27, Appl  
Sequence 2038, Ap  
Sequence 8996, Ap  
Sequence 210, App  
Sequence 210, App  
Sequence 210, App  
Sequence 4, Appli  
Sequence 4, Appli  
Sequence 4, Appli  
Sequence 315, Appl  
Sequence 26, Appl  
Sequence 26, Appl  
Sequence 16, Appl  
Sequence 16, Appl  
Sequence 20, Appl  
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Sequence 10, Appl



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 Db 2221 ACTTCAGCCAGCGTATGCCAAGTCCGCCCTCTTCAGCCCCAACTTCAGCGGAGAAAGTGG 2280  
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 Db 2401 AGCGGAGCTCGCGAGTGGCGGCGCCCTCTCTGTCCAGGAGCTGCGAGCGGCGCTGG 2460  
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 Db 2521 GAGCCCACTGAAGATCTGGGAGACCCCTGAACCTCAGAGGCTGTGTCTTCTGCCCCACG 2580  
 Qy 2581 CAGCACCCGATCTGCCCCCTCTGCTGGTGAAGCTGAAGAGCACCGTCCCCCAGAGG 2640  
 Db 2581 CAGCACCCGATCTGCCCCCTCTGCTGGTGAAGCTGAAGAGCACCGTCCCCCAGAGG 2640  
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RESULT 2  
 US-09-988-687-3  
 ; Sequence 3, Application US/09988687  
 ; Publication No. US200300457041  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tavtigian, Sean V.  
 ; APPLICANT: Teng, David H.F.  
 ; APPLICANT: Simard, Jacques  
 ; APPLICANT: Rommens, Johanna M.  
 ; APPLICANT: Myriad Genetics, Inc.  
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
 ; FILE REFERENCE: 2318-258  
 ; CURRENT APPLICATION NUMBER: US/09/988,687  
 ; CURRENT FILING DATE: 2001-11-20  
 ; PRIOR APPLICATION NUMBER: 09/564,805  
 ; PRIOR FILING DATE: 2000-05-05  
 ; PRIOR APPLICATION NUMBER: US 60/107,468

; PRIOR FILING DATE: 1998-11-06  
 ; PRIOR APPLICATION NUMBER: 09/434,382  
 ; PRIOR FILING DATE: 1999-11-05  
 ; NUMBER OF SEQ ID NOS: 240  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO: 3  
 ; LENGTH: 2958  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; LOCATION: (51)-(2531)  
 ; OTHER INFORMATION: coding sequence as in SEQ ID NO:1  
 ; US-09-988-687-3

Query Match 100.0%; Score 2958; DB 10; Length 2958;  
 Best Local Similarity 100.0%; Pred. No. 0;  
 Matches 2958; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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Qy 2461 AGGATGGGAGCTCAGCAGAAAGCGGGCCCAACAGAGAGCCACAGGCCAAGAGAGTCA 2520  
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Qy 2641 CAGCTCAGGATAGTGGTATGAGCTGTCCGAGGCTGGGCTCCCATAGCACTAGT 2700  
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Db 2761 GAAGCAAGCAGATGAACATAATTTTCAATTCAGGCGATTTTAAAGAGTCTTTGGAACAG 2820  
Qy 2821 ACGGCGGACCTTCTCTTAATCCAGCAAGTATTCCCTGCAACCCAGAGACAGAGCA 2880  
Db 2821 ACGGCGGACCTTCTCTTAATCCAGCAAGTATTCCCTGCAACCCAGAGACAGAGCA 2880  
Qy 2881 GTAACAGGATCAGTGGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCAGTGTGAA 2940  
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Qy 2941 TAAAGATTGAGTTTGCA 2958  
Db 2941 TAAAGATTGAGTTTGCA 2958

## RESULT 3

US-09-988-686-3  
; Sequence 3, Application US/09988686  
; Publication No. US20030120052A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,686  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: US 60/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,469  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 3  
; LENGTH: 2958  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (51)-(2531)  
; OTHER INFORMATION: coding sequence as in SEQ ID NO:1  
US-09-988-686-3

Query Match 100.0%; Score 2958; DB 10; Length 2958;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 2958; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy	121	AGGCACCGCGCGCGCGAGCGGGCGGACAGGACCGCGTGGGCACTGGCGACGGGAG	180
Db	121	AGGCACCGCGCGCGCGAGCGGGCGGACAGGACCGCGTGGGCACTGGCGACGGGAG	180
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Qy	241	CAGCGGGTAGCGGGACTCGGGCGCGGCTCTAGCTTCTCCGAGTTCAACCGGTATC	300
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Qy	361	GCTCGGACAAATATTCCTGACCAATGCACTGTCTAATGTTGGGGCTTAAGTGGAA	420
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Qy	421	TGATTTCTTAAAGGAACCGGGCTTCCAAAGTGTGACTTCTTGGAAGTCCACAC	480
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Qy	541	CTGTGGGGCCCACTCTGCCCCAGAAATACGAGATGAAACCATGACAGTTTACCAGATCC	600
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Qy	601	CCATACAGTGAACAGAGAGGGGAAACCAACCATGGAGAGTCCAGAAAGCCCTC	660
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Qy	721	TTCCACATGGTGTAGCCAGAGAGGGGTCCAGGACTCTTCCCTGGTCTGATGCTTCA	780
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Qy	781	TCGTAAAGCTTCACTTTAAAGAGAGAACTTCTTGGTGTCAAAGCAAGAGAGATGGGCC	840
Db	781	TCGTAAAGCTTCACTTTAAAGAGAGAACTTCTTGGTGTCAAAGCAAGAGAGATGGGCC	840
Qy	841	TCCAGTTGGGACAGCTGCCATCGCTCCCATCATTTGCTGTCAAGGACGGGAAAGCA	900
Db	841	TCCAGTTGGGACAGCTGCCATCGCTCCCATCATTTGCTGTCAAGGACGGGAAAGCA	900
Qy	901	TCATCATGAAGAGAGAGATTTGGCTGAGAGCTGTGTACTCTCCAGATCCTGTG	960
Db	901	TCATCATGAAGAGAGAGATTTGGCTGAGAGCTGTGTACTCTCCAGATCCTGTG	960
Qy	961	CTGCTTTTGTGGTGTAGAAATGTCCAGATGAAAGCTTCATTCAACCCATCTGTGAGAATG	1020
Db	961	CTGCTTTTGTGGTGTAGAAATGTCCAGATGAAAGCTTCATTCAACCCATCTGTGAGAATG	1020
Qy	1021	CAACCTTTCAGAGTACCAAGAGAGAGATGCCCCCGTGGCTTGGTGTTCACATGG	1080
Db	1021	CAACCTTTCAGAGTACCAAGAGAGAGATGCCCCCGTGGCTTGGTGTTCACATGG	1080
Qy	1081	CCCCAGCATCTGTCTTGTGGACAGCAGGTACCCAGCAGTGGATGGAGAGTTTGGCCCTG	1140
Db	1081	CCCCAGCATCTGTCTTGTGGACAGCAGGTACCCAGCAGTGGATGGAGAGTTTGGCCCTG	1140
Qy	1141	ACACCAGCAGCTTGTGCTGAATGAGAACTGTGCTCAGTTTCAACCTTCCGAGGCACA	1200
Db	1141	ACACCAGCAGCTTGTGCTGAATGAGAACTGTGCTCAGTTTCAACCTTCCGAGGCACA	1200
Qy	1201	AGATTCAAAACCCAGCTCAACCTCATCCCGGACATCTTCCCTGCTCAGAGTTTCC	1260
Db	1201	AGATTCAAAACCCAGCTCAACCTCATCCCGGACATCTTCCCTGCTCAGAGTTTCC	1260
Qy	1261	GCTGTAAAGAGAGGGCCCCCCTCAGTGTGCCATGGTTTCAAGGTGAATGCTCTCA	1320
Db	1261	GCTGTAAAGAGAGGGCCCCCCTCAGTGTGCCATGGTTTCAAGGTGAATGCTCTCA	1320
Qy	1321	AGTACAGCTCCGTCCAGAGGGAGTGGCAGAGGATGCCATTATTCTTGAATCTCTG	1380
Db	1321	AGTACAGCTCCGTCCAGAGGGAGTGGCAGAGGATGCCATTATTCTTGAATCTCTG	1380
Qy	1381	AGCAATTCATAGTTCAGGGCTGCAGCTTCCCACTTCCAGCAGAGCGTGCAGAGTACA	1440
Db	1381	AGCAATTCATAGTTCAGGGCTGCAGCTTCCCACTTCCAGCAGAGCGTGCAGAGTACA	1440
Qy	1441	GGAGGAGTGGCGAGCGGCCAGCCCCAGAGAGAAAGAGTCTAGTACCCAGAAATCA	1500
Db	1441	GGAGGAGTGGCGAGCGGCCAGCCCCAGAGAGAAAGAGTCTAGTACCCAGAAATCA	1500
Qy	1501	TCTTCTTGGAAACAGGGTCTGCCATCCCGATGAAGATTCGAAATGTCCAGTCTG	1560
Db	1501	TCTTCTTGGAAACAGGGTCTGCCATCCCGATGAAGATTCGAAATGTCCAGTCTG	1560
Qy	1561	TCAACATAGCCCCGACACGTCTCTGCTACTGACTGTGTGGAGGACATTTGGGCGC	1620
Db	1561	TCAACATAGCCCCGACACGTCTCTGCTACTGACTGTGTGGAGGACATTTGGGCGC	1620





Db 241 AACCAGTATCTTCTCAATCTGTGGAGAGGCAATTCAGAGACTCATGACGAGCAACAGTTA 300  
Qy 351 AAGGTTCGCTCGCTGGACAAACATATCTCTGACAGAAATGCACTGGTCTAATGTTGGGGC 410  
Db 301 AAGGTTCGCTCGCTGGACAAACATATCTCTGACAGAAATGCACTGGTCTAATGTTGGGGC 360  
Qy 411 TTAAGTGAATGATCTTCTTAAAGTAAAGAAACCGGGCTTCCAAAGTGTGTACTTCTGGA 470  
Db 361 TTAAGTGAATGATCTTCTTAAAGTAAAGAAACCGGGCTTCCAAAGTGTGTACTTCTGGA 420  
Qy 471 CCTCCACACCTGGAAGAAATACCTCGAAGCAATCAAAATATTTCTGTGCTCAATGAAAGGA 530  
Db 421 CCTCCACACCTGGAAGAAATACCTCGAAGCAATCAAAATATTTCTGTGCTCAATGAAAGGA 480  
Qy 531 ATAGAATCGGCTGTGCGGCCCACTCTGCCCCAGAAATACGAGGATGAAACCATGACAGTT 590  
Db 481 ATAGAATCGGCTGTGCGGCCCACTCTGCCCCAGAAATACGAGGATGAAACCATGACAGTT 540  
Qy 591 TACCAGATCCCATACACAGTGAACAGAGAGAGGGAAGACCAACCATGGCAGAGTCCA 650  
Db 541 TACCAGATCCCATACACAGTGAACAGAGAGAGGGAAGACCAACCATGGCAGAGTCCA 600  
Qy 651 GAAAGGCTCTCAGAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCCGAATGAAAT 710  
Db 601 GAAAGGCTCTCAGAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCCGAATGAAAT 660  
Qy 711 GAGCCACACCTTCCATGTGTAGCCAGAGAGAGGAGTCCAGGACTCTTCCCTGGTC 770  
Db 661 GAGCCACACCTTCCATGTGTAGCCAGAGAGAGGAGTCCAGGACTCTTCCCTGGTC 720  
Qy 771 GTAGCTTCACTGTAGCTTCACTTAAAGAGAGAACTTCTGTGTCTCAAGCAAG 830  
Db 721 GTAGCTTCACTGTAGCTTCACTTAAAGAGAGAACTTCTGTGTCTCAAGCAAG 780  
Qy 831 GAGATGGGCTCCCAAGTGGACAGCTGCCATGCTCCATCATGTGCTGTCAAGGAC 890  
Db 781 GAGATGGGCTCCCAAGTGGACAGCTGCCATGCTCCATCATGTGCTGTCAAGGAC 840  
Qy 891 GGGAAAGCATCACTCATGAGGAGAGAGATTTGGCTGAAGAGCTGTACTCTCTCCA 950  
Db 841 GGGAAAGCATCACTCATGAGGAGAGAGATTTGGCTGAAGAGCTGTACTCTCTCCA 900  
Qy 951 GATCTGTGTGTCTTGT 1010  
Db 901 GATCTGTGTGTCTTGT 960  
Qy 1011 TGTGAGATGCCACCTTTCAGAGTACCAAGAGAGAGAGATGCCCCGGCTTGGTG 1070  
Db 961 TGTGAGATGCCACCTTTCAGAGTACCAAGAGAGAGAGATGCCCCGGCTTGGTG 1020  
Qy 1071 GTTCATGCGCCCAAGCATCTGTGCTGTGACACAGCAGTACCAGCAGTGGATGGAGG 1130  
Db 1021 GTTCATGCGCCCAAGCATCTGTGCTGTGACACAGCAGTACCAGCAGTGGATGGAGG 1080  
Qy 1131 TTTGGGCTGACACCCAGCATTTGGTCTGTAATGAGAACTGTGCTCAGTTTCAACCTT 1190  
Db 1081 TTTGGGCTGACACCCAGCATTTGGTCTGTAATGAGAACTGTGCTCAGTTTCAACCTT 1140  
Qy 1191 GCGACCAAGATTCAAACCCAGCTCAACCTCAACCCCGGACATCTTCCCTGCTC 1250  
Db 1141 GCGACCAAGATTCAAACCCAGCTCAACCTCAACCCCGGACATCTTCCCTGCTC 1200  
Qy 1251 ACCAGTTTCCGCTGTAAGAGAGAGGCCCCACCTCAGTGTGCCCATGGTTCAAGGTGAA 1310  
Db 1201 ACCAGTTTCCGCTGTAAGAGAGAGGCCCCACCTCAGTGTGCCCATGGTTCAAGGTGAA 1260  
Qy 1311 TGCCTCTCAAGTACAGCTCCGTCAGAGGAGGAGTGGCAGAGGATGCCATTTACT 1370  
Db 1261 TGCCTCTCAAGTACAGCTCCGTCAGAGGAGGAGTGGCAGAGGATGCCATTTACT 1320  
Qy 1371 TGCATCTCAGAGAAATTCATAGTTCAGGCGCTGACAGTTTCCCACTTCCAGCAGAGCGTG 1430

Db 1321 TGCATCTCTGAGAAATTCATATTCAGGGCTGACAGCTTCCCACTTCCAGCAGAGTGTG 1380  
Qy 1431 CAGGAGTACAGAGAGAGTGCAGAGACGCGCCAGCGCCAGCGAGAGAGAAAGAGTCAGTAC 1490  
Db 1381 CAGGAGTACAGGAGAGTGCAGAGACGCGCCAGCGCCAGCGAGAGAGAAAGAGTCAGTAC 1440  
Qy 1491 CCAGAAATCATCTTCTTGGAAACAGGCTGCGATCCCGATGAAGATTGCAATGTCACT 1550  
Db 1441 CCAGAAATCATCTTCTTGGAAACAGGCTGCGATCCCGATGAAGATTGCAATGTCACT 1500  
Qy 1551 GGCACATCTGTCAACATGAAGCCCGACACGCTCTGTCTACTGAGCTGTGGTGAAGGACA 1610  
Db 1501 GGCACATCTGTCAACATGAAGCCCGACACGCTCTGTCTACTGAGCTGTGGTGAAGGACA 1560  
Qy 1611 TTTGGCAGCTGTGCGGTCAATTCAGGACACAGGTGGAAGGCTCTGCGACACCTGGCT 1670  
Db 1561 TTTGGCAGCTGTGCGGTCAATTCAGGACACAGGTGGAAGGCTCTGCGACACCTGGCT 1620  
Qy 1671 GCTGTGTTGTGCTCCACCTGACACATCAACACGCGGCTTCCCAAGTATCTTGTGTG 1730  
Db 1621 GCTGTGTTGTGCTCCACCTGACACATCAACACGCGGCTTCCCAAGTATCTTGTGTG 1680  
Qy 1731 CAGAGAGAACGCGCTTGGCATCTTTGGAAAGCGCTTACCCCTTGTGCTGTGTGTGCT 1790  
Db 1681 CAGAGAGAACGCGCTTGGCATCTTTGGAAAGCGCTTACCCCTTGTGCTGTGTGTGCT 1740  
Qy 1791 CCCAACAGCTCAAGCGCTGCTCCAGCAGTACCAACACAGTGCAGAGGCTCTCTGCAC 1850  
Db 1741 CCCAACAGCTCAAGCGCTGCTCCAGCAGTACCAACACAGTGCAGAGGCTCTCTGCAC 1800  
Qy 1851 CACATCAGTATGATCTCTGCCAAATGCTTTCAGGAAGGCGCTGAGATCTCCAGTCTGCA 1910  
Db 1801 CACATCAGTATGATCTCTGCCAAATGCTTTCAGGAAGGCGCTGAGATCTCCAGTCTGCA 1860  
Qy 1911 GTGGAAGATGATCAGTTCGCTGTGCGAAACATGTATTGGAAGATTTTCAGACCTGT 1970  
Db 1861 GTGGAAGATGATCAGTTCGCTGTGCGAAACATGTATTGGAAGATTTTCAGACCTGT 1920  
Qy 1971 CTGCTCGGCACTGCAAGCATGCTTGTGCTGTGCGCTGCTGCACACCTCTGCTGGTAAA 2030  
Db 1921 CTGCTCGGCACTGCAAGCATGCTTGTGCTGTGCGCTGCTGCACACCTCTGCTGGTAAA 1980  
Qy 2031 GTGCTCTATTCGGGACACCATGCTCCCTGCGAGGCTCTGTCGGATGGGAAGATGCC 2090  
Db 1981 GTGCTCTATTCGGGACACCATGCTCCCTGCGAGGCTCTGTCGGATGGGAAGATGCC 2040  
Qy 2091 ACCCTCTCATATCATGAAGCCACCTCGAAGATGTTTGGAAAGAGAAAGCAGTGGAAAG 2150  
Db 2041 ACCCTCTCATATCATGAAGCCACCTCGAAGATGTTTGGAAAGAGAAAGCAGTGGAAAG 2100  
Qy 2151 ACACACAGCAACAGTCCCAAGCCATCAGGCTGGGATGCGGATGAACCGGAGTTCAAT 2210  
Db 2101 ACACACAGCAACAGTCCCAAGCCATCAGGCTGGGATGCGGATGAACCGGAGTTCAAT 2160  
Qy 2211 ATGCTGAACCACTTCAGCCAGCGCTATGCCAGGCTCCCTCTTTCAGCCCCAATTCAGC 2270  
Db 2161 ATGCTGAACCACTTCAGCCAGCGCTATGCCAGGCTCCCTCTTTCAGCCCCAATTCAGC 2220  
Qy 2271 GAGAAAGTGGGAGTTCCTTTGACCATGAAGGTCTGCTTGGAGACTTTTCCAAATG 2330  
Db 2221 GAGAAAGTGGGAGTTCCTTTGACCATGAAGGTCTGCTTGGAGACTTTTCCAAATG 2280  
Qy 2331 CCCAAGCTGATTCCTCCACTGAAGCCCTGTTTGTGCGGACATCCAGAGATGGAGGAG 2390  
Db 2281 CCCAAGCTGATTCCTCCACTGAAGCCCTGTTTGTGCGGACATCCAGAGATGGAGGAG 2340  
Qy 2391 CGCAGGAGAGAGCGGAGCTGCGGAGGTGCGGCGGCGCTCTGCTCCAGGGAGCTGGCA 2450  
Db 2341 CGCAGGAGAGAGCGGAGCTGCGGAGGTGCGGCGGCGCTCTGCTCCAGGGAGCTGGCA 2400  
Qy 2451 GCGGCGCTGAGAGATGGGAGCTCAGCAGAACCGGCGGCGGCTCTGCTCCAGGGAGCTGGCA 2510  
Db 2401 GCGGCGCTGAGAGATGGGAGCTCAGCAGAACCGGCGGCGGCTCTGCTCCAGGGAGCTGGCA 2460



1191 CGCAGCACAAGATTCACACCCAGCTCAACCTCATCCACCCGGACATCTTCCCTGCTC 1250  
 1141 CGCAGCACAAGATTCACACCCAGCTCAACCTCATCCACCCGGACATCTTCCCTGCTC 1200  
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 1201 ACCAGTTTCCTGTAAGAGAGAGGCCCCCACCCTCAGTGTGCCCATGGTTTCAGGGTGA 1260  
 1311 TGCTCTCTCAAGTACACAGCTCCGTCACAGAGGAGTGGCAGAGGATGCCATTTACT 1370  
 1261 TGCTCTCTCAAGTACACAGCTCCGTCACAGAGGAGTGGCAGAGGATGCCATTTACT 1320  
 1371 TGCAATCTGAGGAATTCATAGTTGAGCGCTGAGCTTCCCACTTCCAGCAGAGGCTG 1430  
 1321 TGCAATCTGAGGAATTCATAGTTGAGCGCTGAGCTTCCCACTTCCAGCAGAGTGTG 1380  
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 1561 TTGGGAGAGCTGTGCGCTCATTTACGAGACAGAGTGGACAGGCTCCTGGGACCCCTGCT 1620  
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 1621 GCTGTGTTGTCTCCACCTGACACAGCAGATCACACAGCGGCTTGCTAAATATCTTGCTG 1680  
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 1741 CCCAACACAGCTCAAGAGCTGGCTCAGCAGATACCAACACAGTGCAGAGAGTCTCTGAC 1800  
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 1801 CACATCAGTATGATTCCTGCCAAATGCCCTTCAGGAAGGGGTGAGATCTCAGTCTGCA 1860  
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 1861 GTGGAAGAATTCATCAGTTCGCTGTGGAAATGATGATTTGGAGAGTTTCAGACCTGT 1920  
 1971 CTGGTGGGCACTGCAAGCATCGTTTGGCTGTGGCTGTGGTGCACACCTCTGGCTGGAAA 2030  
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 2031 GTGGTCTATTCGGGAGACCATGCGCTCGGAGGCTCTGGTCCGATGGGGAAGATGCC 2090  
 1981 GTGGTCTATTCGGGAGACCATGCGCTCGGAGGCTCTGGTCCGATGGGGAAGATGCC 2040  
 2091 ACCCTCTGATACATCAAGCCACCTCGGAAGATGTTTGGAGAGAGAGCAGTGGAAAAG 2150  
 2041 ACCCTCTGATACATCAAGCCACCTCGGAAGAGTGGTGGAGAGAGAGCAGTGGAAAAG 2100  
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 2101 ACACAGACACACAGTCCCAAGCCATCAGCTGGGATGCGATGAACCGGAGTTCATT 2160  
 2211 ATGCTGAACCACTTCAGCAGCGCTATGCCAGGCTCCCTCTTCAGCCCACTTCAGC 2270  
 2161 ATGCTGAACCACTTCAGCAGCGCTATGCCAGGCTCCCTCTTCAGCCCACTTCAGC 2220  
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2221 GAGAAAGTGGAGTTGCCTTTGACACATGAAGTCTGCTTTGGAGACTTTGCAACAATG 2280  
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 2281 CCCAAGCTGATTTCCCACTGAAGCCCTGTTTGTGGGACATCCAGAGATGGAGAG 2340  
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 2511 AAGAGGTGAGAGCCAGTGAAGTCTGGAGACCTGAACTCAGAAAGGCTGTGTCTT 2570  
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 2521 CTGCCCAACGACGACCCCGTATCTGCCCTCTTGTGTGTGTAGAGCTGAAGAGCAGGTC 2580  
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 2581 CCCAGAGCAGCTCAGGATAGGTGATGGAGCTGCGAGGCTTGGGCTCCACAT 2640  
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 2761 TTGGAACACAGCGCGCACCTTTCTCTAATCAGCAAAAGTATTCCTGTCACACAGA 2820  
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 2821 GACAAGCAGAGTAAAGATCAGTGGTCTAAGTGTCCGAGACTTAAAGAAATAGTATT 2880  
 2931 TCAGCTCAATAAAGATTGAGTTGCAA 2958  
 2881 TCAGCTCAATAAAGATTGAGTTGCAA 2908

RESULT 6

US-09-988-686-223  
 ; Sequence 223, Application US/09988686  
 ; Publication No. US20030120052A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tavtigian, Sean V.  
 ; APPLICANT: Teng, David H.F.  
 ; APPLICANT: Simard, Jacques  
 ; APPLICANT: Rommens, Johanna M.  
 ; APPLICANT: Myriad Genetics, Inc.  
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
 ; FILE REFERENCE: 2318-258  
 ; CURRENT APPLICATION NUMBER: US/09/988,686  
 ; PRIOR FILING DATE: 2001-11-20  
 ; PRIOR FILING DATE: 2000-05-05  
 ; PRIOR APPLICATION NUMBER: US 60/107,468  
 ; PRIOR FILING DATE: 1998-11-06  
 ; PRIOR APPLICATION NUMBER: 09/434,382  
 ; PRIOR FILING DATE: 1999-11-05  
 ; NUMBER OF SEQ ID NOS: 240  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 223  
 ; LENGTH: 2908



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2151 ACACACAGCAACAGTCCCAAGCCATCAGCTGGGATGCGGATGAACGGGAGTTCATT 2210  
2101 ACACACAGCAACAGTCCCAAGCCATCAGCTGGGATGCGGATGAACGGGAGTTCATT 2160  
2211 ATGCTGAACCACTTCAGCCAGCGGTATGCCAAGGTCCCTCTCTTCAGCCCCAACTTCAGC 2270  
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2821 GACAGCAGATTAACAGATCAGTGGTCTAAGTCTGAGACTTAAAGCAATAGTATT 2880  
2931 TCAGCTGCAATAAAGATTGAGTTTGCAA 2958  
2881 TCAGCTGCAATAAAGATTGAGTTTGCAA 2908

## RESULT 7

US-10-108-260A-282  
; Sequence 282, Application US/10108260A  
; Publication No. US20040005560A1  
; GENERAL INFORMATION:  
; APPLICANT: HELIX RESEARCH INSTITUTE  
; TITLE OF INVENTION: No. US20040005560A1 full length cDNA  
; FILE REFERENCE: H1-A0106  
; CURRENT APPLICATION NUMBER: US/10/108,260A  
; CURRENT FILING DATE: 2002-03-27  
; NUMBER OF SEQ ID NOS: 5458

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 282

; LENGTH: 2907

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-108-260A-282

Query Match 95.4%; Score 2822.4; DB 16; Length 2907;

Best Local Similarity 97.9%; Pred. No. 0;

Matches 2893; Conservative 0; Mismatches 6; Indels 57; Gaps 1;

QY 1 CGCGGCGTAGGTGACCGGCGCTTCTTCAGTTTGTGAGACGCGGCATGTGGCGC 60

DB 9 CGCGGCGTAGGTGACCGGCGCTTCTTCAGTTTGTGAGACGCGGCATGTGGCGC 68

QY 61 TTTGCTCGTGTGCTGCGGCGCGGAGCAGCATGTGCGAGGAGCCACCATATCGC 120

DB 69 TTTGCTCGTGTGCTGCGGCGCGGAGCAGCATGTGCGAGGAGCCACCATATCGC 128

QY 121 AGGCAACCGCCCGCGGAGCGGCGCAAGGACCGCTGCGGCACTCTGCGCACGCGAG 180

DB 129 AGGCAACCGCCCGCGGAGCGGCGCAAGGACCGCTGCGGCACTCTGCGCACGCGAG 188

QY 181 AGAAGCGCGAGCCGTGCGGCGTGTCTCGGCGGCCCAACACCGTGTACTGTCAGTGGTG 240

DB 189 AGAAGCGCGAGCCGTGCGGCGTGTCTCGGCGGCCCAACACCGTGTACTGTCAGTGGTG 248

QY 241 CAGCGGCTAGCGGCGACTCGGCGCGCGCTCTACGCTCTCTCCGAGTTCAACCGGTATC 300

DB 249 CAGCGGCTAGCGGCGACTCG----- 268

QY 301 TCTTCAACTGTGGAGAGCGGTTTCAGAGCTCATGAGGAGCAAGTTAAAGTTGCTC 360

DB 269 -----GGCGTTTCAGAGACTCATGAGGAGCAAGTTAAAGTTGCTC 311

QY 361 GCCTGGCAACATATTCCTGACACGATGCACTGCTTAATGTTGGGCGCTTAAGTGGA 420

DB 312 GCCTGGCAACATATTCCTGACACGATGCACTGCTTAATGTTGGGCGCTTAAGTGGA 371

QY 421 TGATTTCTTATTTAAAGAAACCGGCTTCCAAAGTGTGTACTTTCTGGACCTTCAAC 480

DB 372 TGATTTCTTATTTAAAGAAACCGGCTTCCAAAGTGTGTACTTTCTGGACCTTCAAC 431

QY 481 TGGAAATAACTTCGAAGCAATCAAAATATTTCTGCTCCATTTGAAGGATAGACTGG 540

DB 432 TGGAAATAACTTCGAAGCAATCAAAATATTTCTGCTCCATTTGAAGGATAGACTGG 491

QY 541 CTGTGCGGCGCCACTCTGCGCCAGAAATACGAGGATGAAACCATGACAGTTTACAGATCC 600

DB 492 CTGTGCGGCGCCACTCTGCGCCAGAAATACGAGGATGAAACCATGACAGTTTACAGATCC 551

QY 601 CCATPACAGTGAACAGAGAGGGGAAAGCAACCAATGCGAGAGTCCAGAAAGGCTC 660

DB 552 CCATPACAGTGAACAGAGAGGGGAAAGCAACCAATGCGAGAGTCCAGAAAGGCTC 611

QY 561 TCAGCAGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTGAATGAAATGAGCCACAC 720

DB 612 TCAGCAGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTGAATGAAATGAGCCACAC 671

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DB 732 TCTGTAAGCTTCACTTAAAGAGGAAACTTCTTGGTGTCAAGCAAGAGAGATGGCC 791

QY 841 TCCAGATTGGGACAGCTGCCATCGCTCCCATCAATTCATTCGTGTCAGGACGGGAAAAAGCA 900

DB 792 TCCAGATTGGGACAGCTGCCATCGCTCCCATCAATTCATTCGTGTCAGGACGGGAAAAAGCA 851

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Db 852 TCACTCATGAGGAAGAGAGATTTGGCTGAGAGCTGTGTACTCTCCAGATCCTGGTG 911  
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Db 912 CTGCTTTTGTGGTGTAGATGTCAGATGAAAGCTTCAATCAACCACTCTGTGAGAATG 971  
Qy 1021 CCACTTTTCAAGGTTACCAAGAAAGCAGATGCCCCCGTGGCTTTGGTGTCAATGG 1080  
Db 972 CCACTTTTCAAGGTTACCAAGAAAGCAGATGCCCCCGTGGCTTTGGTGTCAATGG 1031  
Qy 1081 CCCAGCATCTGTCTGTGGACAGAGTACCAGAGTGCAGAGTGCATGGAGAGGTTGGCCCTG 1140  
Db 1032 CCCAGCATCTGTCTGTGGACAGAGTACCAGAGTGCAGAGTGCATGGAGAGGTTGGCCCTG 1091  
Qy 1141 ACACCCAGCATTTGGCTCTGAATGAGAACTGTGCTCAGTTCAACACCTTCGACGACCA 1200  
Db 1092 ACACCCAGCATTTGGCTCTGAATGAGAACTGTGCTCAGTTCAACACCTTCGACGACCA 1151  
Qy 1201 AGATTCAACCCAGCTCAACCTCATCCACCCGACATCTTCCCTGTCTCACAGTTTCC 1260  
Db 1152 AGATTCAACCCAGCTCAACCTCATCCACCCGACATCTTCCCTGTCTCACAGTTTCC 1211  
Qy 1261 GCTGTGAAGAGAGGCCCCCACCCTCAGTGTGCCATGCTTCAAGGTGAATGCCCTCTCA 1320  
Db 1212 GCTGTGAAGAGAGGCCCCCACCCTCAGTGTGCCATGCTTCAAGGTGAATGCCCTCTCA 1271  
Qy 1321 AGTACAGCTTCCTCCAGAGAGGAGTGGCAGAGGATGCCATTATTACTTGCATCTCTG 1380  
Db 1272 AGTACAGCTTCCTCCAGAGAGGAGTGGCAGAGGATGCCATTATTACTTGCATCTCTG 1331  
Qy 1381 AGAAATTCATAGTTGAGGCGCTGACGTTCCCAACTTCCAGCAGAGCGTGCAGGAGTACA 1440  
Db 1332 AGAAATTCATAGTTGAGGCGCTGACGTTCCCAACTTCCAGCAGAGCGTGCAGGAGTACA 1391  
Qy 1441 GGAGGAGTGGCAGGACGCCCCAGCCCCAGCAGAGAGAAAGTCACTACCCAGAAATCA 1500  
Db 1392 GGAGGAGTGGCAGGACGCCCCAGCCCCAGCAGAGAGAAAGTCACTACCCAGAAATCA 1451  
Qy 1501 TCTTCTTCCGACAGAGGCTGCCATCCGATCCGATGAAGTTCGAATCTCAGTGCACACTTG 1560  
Db 1452 TCTTCTTCCGACAGAGGCTGCCATCCGATGAAGTTCGAATCTCAGTGCACACTTG 1511  
Qy 1561 TCAACATAGCCCCCAGCAGCTCTGCTACTGGAAGTGTGGTGGAGGACATTTGGGCAGC 1620  
Db 1512 TCAACATAGCCCCCAGCAGCTCTGCTACTGGAAGTGTGGTGGAGGACATTTGGGCAGC 1571  
Qy 1621 TGTGCGCTCATTTACGAGACAGAGTGGACAGAGTCTTGGGACCTTGGCTGTGTTTG 1680  
Db 1572 TGTGCGCTCATTTACGAGACAGAGTGGACAGAGTCTTGGGACCTTGGCTGTGTTTG 1631  
Qy 1681 TGTGCCACCTGCACGAGATCAACACACGCGGCTTGCCTCAAGTATCTTGTGCAGAGAGAAC 1740  
Db 1632 TGTGCCACCTGCACGAGTATCAACACACGCGGCTTGCCTCAAGTATCTTGTGCAGAGAGAAC 1691  
Qy 1741 GCGCTTGGCATCTTTGGAAAGCGCTTCAACCTTTGCTGTGTGTGGTGTGGCCCAACAGC 1800  
Db 1692 GCGCTTGGCATCTTTGGAAAGCGCTTCAACCTTTGCTGTGTGTGGTGTGGCCCAACAGC 1751  
Qy 1801 TCAAGGCTTGGCTCCAGCAGTACCAACACAGTGCAGAGGCTCTGCACACATCAGTA 1860  
Db 1752 TCAAGGCTTGGCTCCAGCAGTACCAACACAGTGCAGAGGCTCTGCACACATCAGTA 1811  
Qy 1861 TGATTCCTGCCAAATGCTTTCAGGAAGGCGGTGAGATCTCCAGTCTCTCAGTGGAAAGAT 1920  
Db 1812 TGATTCCTGCCAAATGCTTTCAGGAAGGCGGTGAGATCTCCAGTCTCTCAGTGGAAAGAT 1871  
Qy 1921 TCATCAGTTCGCTGTTGGCAACATGTGATTTGGAGAGTTTCAGACCTGTCTGTGGCG 1980  
Db 1872 TGATCAGTTCGCTGTTGGCAACATGTGATTTGGAGAGTTTCAGACCTGTCTGTGGCG 1931  
Qy 1981 ACTGAAGCATCGTTTGGCTGTGCGCTGTGCTGTCACACCTCTGGCTGGAAAGTGTCTATT 2040  
Db 1932 ACTGAAGCATCGTTTGGCTGTGCGCTGTGCTGTCACACCTCTGGCTGGAAAGTGTCTATT 1991

Qy 2041 CCGGGACACCATCCCTGGAGGCTCTGCTCGGATGGGAAAGATGCGACCTCTCTGA 2100  
Db 1992 CCGGGACACCATCCCTGGAGGCTCTGCTCGGATGGGAAAGATGCGACCTCTCTGA 2051  
Qy 2101 TACATGAAGCCACCTCGAAGATGGTTTGAAGAGGAAGCAGTGGAAAGACACAGCA 2160  
Db 2052 TACATGAAGCCACCTCGAAGATGGTTTGAAGAGGAAGCAGTGGAAAGACACAGCA 2111  
Qy 2161 CAACGTCCTCCAGCCATCAGCGTGGGATCGGATGAACGCGAGTTCATTATCTGAAC 2220  
Db 2112 CAACGTCCTCCAGCCATCAGCGTGGGATCGGATGAACGCGAGTTCATTATCTGAAC 2171  
Qy 2221 ACTTCAGCCAGCGCTATGSCCAAGGTCCTCTTCAGCCCCCAACTTCAGCGAGAAAGTGG 2280  
Db 2172 ACTTCAGCCAGCGCTATGSCCAAGGTCCTCTTCAGCCCCCAACTTCAGCGAGAAAGTGG 2231  
Qy 2281 GAGTTGCTTTGACCATGAAGGTCTGCTTTGGAGACTTTCCAACTGCCCAAGCTGA 2340  
Db 2232 GAGTTGCTTTGACCATGAAGGTCTGCTTTGGAGACTTTCCAACTGCCCAAGCTGA 2291  
Qy 2341 TTCCCCCACTGAAAGCCCTGTTGCTGGCGACATCGAGAGATGAGGAGCGCAGGAGA 2400  
Db 2292 TTCCCCCACTGAAAGCCCTGTTGCTGGCGACATCGAGAGATGAGGAGCGCAGGAGA 2351  
Qy 2401 AGCGGAGCTGCGGAGGTCGGGCGGCTCTGCTCAGGAGACTGGCAGGCGGCTGG 2460  
Db 2352 AGCGGAGCTGCGGAGGTCGGGCGGCTCTGCTCAGGAGACTGGCAGGCGGCTGG 2411  
Qy 2461 AGGATGGGAGCTTCAGCAGAAAGCGGCCACACAGAGAGCCACAGGCAAGAGGTCA 2520  
Db 2412 AGGATGGGAGCTTCAGCAGAAAGCGGCCACACAGAGAGCCACAGGCAAGAGGTCA 2471  
Qy 2521 GAGCCCACTGAAAGTCTGGAGACCTTGAACTCAGAAAGCTGTGTCTTCTGCCCAAG 2580  
Db 2472 GAGCCCACTGAAAGTCTGGAGACCTTGAACTCAGAAAGCTGTGTCTTCTGCCCAAG 2531  
Qy 2581 CAGCACCCTATCTGCCCTCTTGTGTAGAGCTGAGAGCTGAGAGCAGGTCCTCCAGGAG 2640  
Db 2532 CAGCACCCTATCTGCCCTCTTGTGTAGAGCTGAGAGCTGAGAGCAGGTCCTCCAGGAG 2591  
Qy 2641 CAGCTCAGGATAGGTGTGATGAGAGCTGTGCCAGGCTTGGGCTCCACATAAGCACTAGT 2700  
Db 2592 CAGCTCAGGATAGGTGTGATGAGAGCTGTGCCAGGCTTGGGCTCCACATAAGCACTAGT 2651  
Qy 2701 CTATAGTCTCTTAGGACTGTGCTGCGACAGCGCGGCGCAGAGGCTGCCACAG 2760  
Db 2652 CTATAGTCTCTTAGGACTGTGCTGCGACAGCGCGGCGCAGAGGCTGCCACAG 2711  
Qy 2761 GAAGCAGCAGATGAACTAATTTCAATTCAGGAGCTTTTAAAGAGTCTTTGGAAACAG 2820  
Db 2712 GAAGCAGCAGATGAACTAATTTCAATTCAGGAGCTTTTAAAGAGTCTTTGGAAACAG 2771  
Qy 2821 ACGGCGCAGCTTCTCTTAATCCAGAAAGTATTCCTGTGCACACAGAGCAAGCAGA 2880  
Db 2772 ACGGCGCAGCTTCTCTTAATCCAGAAAGTATTCCTGTGCACACAGAGCAAGCAGA 2831  
Qy 2881 GTAACAGGATCAGTGGGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCACTGCA 2940  
Db 2832 GTAACAGGATCAGTGGGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTTCACTGCA 2891  
Qy 2941 TAAAGATTGAGTTTGC 2956  
Db 2892 TAAAGATTGAGTTTGC 2907

## RESULT 8

US-09-988-626-225  
; Sequence 225, Application US/09988626  
; Publication No. US2003004959A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavligian, Sean V.  
; APPLICANT: Teng, David H.F.

Qy	711	GAGCCACACCTTCCACATGCTGTATTAGCCAGAGAAGAGGGGTCAAGGACTCTTCCCTGGTC	770
Db	661	GAGCCACACCTTCCACATGCTGTATTAGCCAGAGAAGAGGGGTCAAGGACTCTTCCCTGGTC	720
Qy	771	GTAGCTTTTCATCTGTATAAGCTTCACTTAAAGAGAGGAAACCTTTTGGTGTCTCAAGACAAAG	830
Db	721	GTAGCTTTTCATCTGTATAAGCTTCACTTAAAGAGAGGAAACCTTTTGGTGTCTCAAGACAAAG	780
Qy	831	GAGATGGGCTCCAGTTGGGACAGCTGCCATCGCTCCCATCAATTGCTGTGTCAAGGAC	890
Db	781	GAGATGGGCTCCAGTTGGGACAGCTGCCATCGCTCCCATCAATTGCTGTGTCAAGGAC	840
Qy	891	GGGAAAAGCATCATATGAAGAAGAGAGATTTTGGCTGAAGAGCTGTGTATCTCTTCCA	950
Db	841	GGGAAAAGCATCATATGAAGAAGAGAGATTTTGGCTGAAGAGCTGTGTATCTCTTCCA	900
Qy	951	GATCCTGGTCTGCTTTTGTGGTGTAGATGTCCAGATCAAAAGCTTCATTCAACCCATC	1010
Db	901	GATCCTGGTCTGCTTTTGTGGTGTAGATGTCCAGATCAAAAGCTTCATTCAACCCATC	960
Qy	1011	TGTGAGAAATGCCACCTTTCAGAGGTACCAAGGAAAGGCAGATGCCCCCGTGGCCCTTGGTG	1070
Db	961	TGTGAGAAATGCCACCTTTCAGAGGTACCAAGGAAAGGCAGATGCCCCCGTGGCCCTTGGTG	1020
Qy	1071	GTTTCACATGCCCCAGCATCTGTCTTGTGGACAGCAGGTACCAAGCAGTGGATGGAGAGG	1130
Db	1021	GTTTCACATGCCCCAGCAATCTGTCTTGTGGACAGCAGGTACCAAGCAGTGGATGGAGAGG	1080
Qy	1131	TTTGGGCTGCACACCCAGCATCTGGTCTCTGAATGAGAACTGTGGCTCAGTTTCACAACTTT	1190
Db	1081	TTTGGGCTGCACACCCAGCATCTGGTCTCTGAATGAGAACTGTGGCTCAGTTTCACAACTTT	1140
Qy	1191	CGCAGCCACAGATTTCAAACCCAGCTCAAACCTCATCCACCGGACATCTTCCCCCTGGTC	1250
Db	1141	CGCAGCCACAGATTTCAAACCCAGCTCAAACCTCATCCACCGGACATCTTCCCCCTGGTC	1200
Qy	1251	ACCAAGTTTCGGCTGTAAAGAGAGGGGCCCAACCTCTAGTGTGCCATGTGTTCAGGGTAA	1310
Db	1201	ACCAAGTTTCGGCTGTAAAGAGAGGGGCCCAACCTCTAGTGTGCCATGTGTTCAGGGTAA	1260
Qy	1311	TGCTCTCTCAAGTACAGCTCCGTCCTCAGAGGAGGAGTGGCAGAGGGATGCCATTATTACT	1370
Db	1261	TGCTCTCTCAAGTACAGCTCCGTCCTCAGAGGAGGAGTGGCAGAGGGATGCCATTATTACT	1320
Qy	1371	TGCAATCCTGAGGAATTAATAGTTGAGGGCGTGCAGCTTCCCACTTCACAGCAGCGTG	1430
Db	1321	TGCAATCCTGAGGAATTCATAGTTGAGGGCGTGCAGCTTCCCACTTCACAGCAGCGTG	1380
Qy	1431	CAGAGGTACAGGAGGAGTGCGCAGGACGGCCCGACCCACGACAGAGAAAAGAGTCAGTAC	1490
Db	1381	CAGAGGTACAGGAGGAGTGTCAGGACGTCCACGCCCCACGACAGAGAAAAGAGTCAGTAC	1440
Qy	1491	CCAGAAATCATTTCTTGGAAACAGGGTGTGCCATCCCGATGGAAGATTCGAAATGTCAGT	1550
Db	1441	CCAGAAATCATTTCTTGGAAACAGGGTGTGCCATCCCGATGGAAGATTCGAAATGTCAGT	1500
Qy	1551	GCCACATGTGCAACATAAGCCCGACACAGCTCTCTGTACTGGACTGTGGTGAGGGCACAC	1610
Db	1501	GCCACATGTGCAACATAAGCCCGACACAGCTCTCTGTACTGGACTGTGGTGAGGGCACAC	1560
Qy	1611	TTTGGGAGCTGTGCCGTTCATTAACGAGAACAGGTGAGACGGGTCTTGGGACACCTTGCT	1670
Db	1561	TTTGGGAGCTGTGCCGTTCATTAACGAGAACAGGTGAGACGGGTCTTGGGACACCTTGCT	1620
Qy	1671	GCTGTGTTGTGCCACCTCGACAGCATCACACAGGGCTTGGCAAGTATCTTGTGTG	1730
Db	1621	GCTGTGTTGTGCCACCTCGACAGCATCACACAGGGCTTGGCAAGTATCTTGTGTG	1680
Qy	1731	CAGAGAGAACCGCTTGGCATCTTTGGGAAAGCGCTTTCACCTTTGCTGGTGGTGGCC	1790
Db	1681	CAGAGAGAACCAAGCTTGGCATCTTTGGGAAAGCGCTTTCACCTTTGCTGGTGGTGGCC	1740
Qy	1791	CCCAACCAAGCTTCAAGCTGCTCCAGCAGTACCAACACCAAGTGCAGAGAGTCTCGTAC	1850



Db 1741 CCAGCCAGCTCAAGAGCTCGCTCCAGCAGTACCAACACAGTGCCAGGAGTCTCTGCAC 1800  
Qy 1851 CACATCAGTATGATTCCTGCAATGCTTCCAGAGGGGCTGAGATCTCCAGTCTCTGCA 1910  
Db 1801 CACATCAGTATGATTCCTGCAATGCTTCCAGAGGGGCTGAGATCTCCAGTCTCTGCA 1860  
Qy 1911 GTGGAAGATGATTCAGTTCGCTGTTGCGAACATGATTTGGAAGAGTTTCAGACCTGT 1970  
Db 1861 GTGGAAGATGATTCAGTTCGCTGTTGCGAACATGATTTGGAAGAGTTTCAGACCTGT 1920  
Qy 1971 CTGCTGGGCACTGCAAGCATGCTTTGGCTGTGCGCTGTGTCACACCTCTGGCTGGAAA 2030  
Db 1921 CTGCTGGGCACTGCAAGCATGCTTTGGCTGTGCGCTGTGTCACACCTCTGGCTGGAAA 1980  
Qy 2031 GTGCTCTATTCCGGGACACCATGCTCCCTGCGAGGCTCTGCTCGGATGGGAAAGATGCC 2090  
Db 2041 GTGCTCTATTCCGGGACACCATGCTCCCTGCGAGGCTCTGCTCGGATGGGAAAGATGCC 2040  
Qy 2091 ACCCTCTGATACATGAAGCCACCTCTGGAAGATGTTTGGAAAGAGGACAGTGGAAAAG 2150  
Db 2041 ACCCTCTGATACATGAAGCCACCTCTGGAAGATGTTTGGAAAGAGGACAGTGGAAAAG 2100  
Qy 2151 ACACAGACACAGCTCCCAAGCCATCAGCTGGGATGGGATGCGATGAAACCGGAGTTCATT 2210  
Db 2101 ACACAGACACAGCTCCCAAGCCATCAGCTGGGATGGGATGCGATGAAACCGGAGTTCATT 2160  
Qy 2211 ATGCTGAACCACTTCAGCCAGGCTATGCCAAGGTCCTCTTTCAGGCCCACTTCAGC 2270  
Db 2161 ATGCTGAACCACTTCAGCCAGGCTATGCCAAGGTCCTCTTTCAGGCCCACTTCAGC 2220  
Qy 2271 GAGAAAGTGGAGTTCGCTTTGACACATGAAAGTCTGCTTTGGAGACTTTTCAACAATG 2330  
Db 2221 GAGAAAGTGGAGTTCGCTTTGACACATGAAAGTCTGCTTTGGAGACTTTTCAACAATG 2280  
Qy 2331 CCCAAGCTGATTCCTCCCACTGAAAGCCCTGTTGCTGGGCAATCAGGAGATGAGGAG 2390  
Db 2281 CCCAAGCTGATTCCTCCCACTGAAAGCCCTGTTGCTGGGCAATCAGGAGATGAGGAG 2340  
Qy 2391 CGAGGAGAGAGCGGAGCTGCGGAGTGGGAGTGGGCGGCGCTCTGCTGTCAGGAGCTGGCA 2450  
Db 2341 CGAGGAGAGAGCGGAGCTGCGGAGTGGGAGTGGGCGGCGCTCTGCTGTCGCGGAGTGGCA 2400  
Qy 2451 GCGGCTCTGAGATGCGGAGCTCAGCAGAGAGCGGCGCCACACAGAGAGCCACAGGCC 2510  
Db 2401 GCGGCTCTGAGATGCGGAGCTCAGCAGAGAGCGGCGCCACACAGAGAGCCACAGGCC 2460  
Qy 2511 AGAAGGTGAGAGCCAGTGAAGATCTGGAGACCTGAACTCAGAAGCTGTGTCTT 2570  
Db 2461 AGAAGGTGAGAGCCAGTGAAGATCTGGAGACCTGAACTCAGAAGCTGTGTCTT 2520  
Qy 2571 CTGCCCCAGCAGCAGCCGTATCTGCCCTCTGCTGCTGTAAGCTGAAGAGCAGCTC 2630  
Db 2521 CTGCCCCAGCAGCAGCCGTATCTGCCCTCTGCTGCTGTAAGCTGAAGAGCAGCTC 2580  
Qy 2631 CCCAGAGGAGCTCAGGATAGGTGATGAGCTGTGCGAGGCTTGGGCTCCACAT 2690  
Db 2581 CCCAGAGGAGCTCAGGATAGGTGATGAGCTGTGCGAGGCTTGGGCTCCACAT 2640  
Qy 2691 AAGCACTAGTCTATAGATGCTTTAGGACTGGTGGCTGGGACAGCCGCGGCGCAGGAG 2750  
Db 2641 AAGCACTAGTCTATAGATGCTTTAGGACTGGTGGCTGGGACAGCCGCGGCGCAGGAG 2684  
Qy 2751 CTGCCACAGGAGCAAGCAGATGAACTAATTTTCAATTTCAAGCCAGTGTTTTAAAGAGTC 2810  
Db 2685 CTGCCACAGGAGCAAGCAGATGAACTAATTTTCAATTTCAAGCCAGTGTTTTAAAGAGTC 2744  
Qy 2811 TTGGAACAGAGCGGCGACCTTTCTCTAATTCAGAGAAAGTGTTCCTGTCACACCGA 2870  
Db 2745 TTGGAACAGAGCGGCGACCTTTCTCTAATTCAGAGAAAGTGTTCCTGTCACACCGA 2804  
Qy 2871 GACAAAGCAGAGTAAACAGGATCAGTGGGTCTAAGTGTCCGAGACTTAAACGAAATAGTATT 2930

Db 2805 GACAAGCAGAGTAACAGAGTCACTGGGTCTAAGTGTCCGAGACTTAACGAAATAGTATT 2864  
Qy 2931 TCAGCTGCAATAAAGATTGAGTTTGCA 2958  
Db 2865 TCAGCTGCAATAAAGATTGAGTTTGCA 2892

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; Sequence 225, Application US/09988687  
; Publication No. US20030045704A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,687  
; PRIORITY FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 225  
; LENGTH: 2892  
; TYPE: DNA  
; ORGANISM: Gorilla gorilla  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)...(2478)  
US-09-988-687-225

Query Match 95.3%; Score 2819.6; DB 10; Length 2892;  
Best Local Similarity 98.5%; Pred. No. 0;  
Matches 2863; Conservative 0; Mismatches 29; Indels 16; Gaps 1;

Qy 51 ATGTGGCGCTTTGCTCGCTGCTCGGTCGCGCGCGGACGACCATGTCCGAGGACGC 110  
Db 1 ATGTGGCGCTTTGCTCGCTGCTCGGTCGCGCGCGGACGACCATGTCCGAGGACGC 60  
Qy 111 ACCATATCGCAGGACACCCGCCCGCGAGCGCGCGGACGACCCGCTGCGGACCTG 170  
Db 61 ACCATATCGCAGGACACCCGCCCGCGAGCGCGCGGACGACCCGCTGCGGACCTG 120  
Qy 171 CGCAGCGAGAGAGCGCGGACCGTGGGTCGCGGCGGCGGCGGCGGCGGCGGCGGCGG 230  
Db 121 CGCAGCGAGAGAGCGCGGACCGTGGGTCGCGGTCGCGGCGGCGGCGGCGGCGGCGG 180  
Qy 231 CAGGTGTGTGTCAGCGGTAGCTCGGCGGCTGCGGCGGCGGCGGCTTCTCCGAGTTC 290  
Db 181 CAGGTGTGTGTCAGCGGTAGCTCGGCGGCTGCGGCGGCGGCGGCTTCTCCGAGTTC 240  
Qy 291 AACCGGTATCTTCTCACTGTGAGAGGCTTCAGAGACTCATGAGGAGCAAGTTA 350  
Db 241 AACCGGTATCTTCTCACTGTGAGAGGCTTCAGAGACTCATGAGGAGCAAGTTA 300  
Qy 351 AAGGTCTCTCGCTGGGACACATATCTTGACACGAATGCACTGGTCTTAATGTGGGGC 410  
Db 301 AAGGTCTCTCGCTGGGACACATATCTTGACACGAATGCACTGGTCTTAATGTGGGGC 360  
Qy 411 TTAAGTGAATGATTTCTTACTTTAAAGGAAACCGGGCTTCCAAAGTGTACTTTCTGA 470  
Db 361 TTAAGTGAATGATTTCTTACTTTAAAGGAAACCGGGCTTCCAAAGTGTACTTTCTGA 420  
Qy 471 CCTCCACCACTGGAAATAATACCTCGAAGCAATCAAAATATTTTCTCGTCCATGGAAGA 530



Db 421 COTCCACAGCTGGAAAAATACTCGAAGCAATCAAAATATTTTCTGGTCCATTTGAAAGGA 480  
Qy 531 ATAGAACTGGCTGTGCGGCCCACTCTCTGCCCAAGAAATACGAGGATGAAACCAATGACAGTT 590  
Db 481 ATAGAACTGGCTGTGCGGCCCACTCTCTGCCCAAGAAATACGAGGATGAAACCAATGACAGTT 540  
Qy 591 TACAGATCCCAATACAGAGTGAACAGAGGAGGGGAAAGCAACCAATGACAGATCCA 650  
Db 541 TACAGATCCCAATACAGAGTGAACAGAGGAGGGGAAAGCAACCAATGACAGATCCA 600  
Qy 651 GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTTCAGAGCTCCGAGTCCGAATGAAAT 710  
Db 601 GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTTCAGAGCTCCGAGTCCGAATGAAAT 660  
Qy 711 GAGCAACACTTCCATGCTGTTAGCCAGAGAGAGGGGTGAGGAACTCTTCCCTGCTC 770  
Db 661 GAGCAACACTTCCATGCTGTTAGCCAGAGAGAGGGGTGAGGAACTCTTCCCTGCTC 720  
Qy 771 GTAGCTTTCATCTGTAAGCTTCACCTTAAAGAGAGAACTCTTGGTCTCAAGCAAG 830  
Db 721 GTAGCTTTCATCTGTAAGCTTCACCTTAAAGAGAGAACTCTTGGTCTCAAGCAAG 780  
Qy 831 GAGATGGGCTCCCACTGGGACAGTGCATCGCTCCCATCAATTCGCTGTGCAAGAC 890  
Db 781 GAGATGGGCTCCCACTGGGACAGTGCATCGCTCCCATCAATTCGCTGTGCAAGAC 840  
Qy 891 GGGAAAGCATCACTCATGAAGAGAGAGATTTTGGCTGGAAGAGCTGTACTCTCCA 950  
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Qy 1611 TTTGGGACGCTGTGCGTCAATTACGAGACCAAGGTGGAAGGGTCTTGGGCACTTGGCT 1670  
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Db 1681 CAGAGAGAACGCGCTTGGCATCTTTGGGAAAGCCCTTACCCCTTGTGGTGGTGGC 1740  
Qy 1791 CCACACAGCTCAAGCTTCCAGCAGTACCAACACAGTCCAGAGGCTTCTGCAC 1850  
Db 1741 CCACACAGCTCAAGCTTCCAGCAGTACCAACACAGTCCAGAGGCTTCTGCAC 1800  
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Qy 1911 GTGGAAAGATGATCAGTTCGCTGTCGAAACATGTGTTGGAAGAGTTCAGACCTGT 1970  
Db 1861 GTGGAAAGATGATCAGTTCGCTGTCGAAACATGTGTTGGAAGAGTTCAGACCTGT 1920  
Qy 1971 CTGTGCGGCACTGCAAGCATGCTTGGCTGTGCGCTGTGCAACCTCTGCTGCAAA 2030  
Db 1921 CTGTGCGGCACTGCAAGCATGCTTGGCTGTGCGCTGTGCAACCTCTGCTGCAAA 1980  
Qy 2031 GTGTCTATTCCGGGACACATGCTCCCTGCGAGGCTTGTGCGGATGGGGAAGATGCC 2090  
Db 1981 GTGTCTATTCCGGGACACATGCTCCCTGCGAGGCTTGTGCGGATGGGGAAGATGCC 2040  
Qy 2091 ACCCTCTGATATCATGAAGCCACCTCGAAAGATGTTTGAAGAGGAAGCAGTGGAAAG 2150  
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Qy 2151 ACACACAGCAACAGTCCCAAGCCATCAGCGTGGGATGCGATGAACGCGGATTCATT 2210  
Db 2101 ACACACAGCAACAGTCCCAAGCCATCAGCGTGGGATGCGGATGAACGCGGATTCATT 2160  
Qy 2211 ATGTGTAACCACTTCAGCAGCGCTATGCCAAGTCCCCCTTTCAGCCCCCACTTCAGC 2270  
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Qy 2331 CCCAAGCTGATTCGCCCACTGAAAGCCCTGTTTGTGCGACATCCAGAGGATGAGAG 2390  
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Db 2401 GCGGCTTGGAGGATGGGAGCTTCCAGAGAGCGGCGGCGGCGGCGGCGGCGGCGGCGG 2460  
Qy 2511 AAGAGGTCAGAGCCCTGAGGATCTGGAGAGCCCTGAACTCAGAAAGCTGTGTGCTT 2570  
Db 2461 AAGAGGTCAGAGCCCTGAGGATCTGGAGAGCCCTGAACTCAGAAAGCTGTGTGCTT 2520  
Qy 2571 CTGCCCCACGCAACCGCTATCTGCCCTCTTGTGCTGTTAGAGCTGAAGAGACCGTC 2630  
Db 2521 CTGCCCCACGCAACCGCTATCTGCCCTCTTGTGCTGTTAGAGCTGAAGAGACCGTC 2580  
Qy 2631 CCCCAGGAGGAGCTCAGGATGAGTGTGATGCGAGCTGTGCCAGGCTTGGGCTCCACAT 2690  
Db 2581 CCCCAGGAGGAGCTCAGGATGAGTGTGATGCGAGCTGTGCCAGGCTTGGGCTCCACAT 2640







Qy	2271	GAGAAAGTGGGAGTTGCTTTGACCA	CATGAAGTCTGCTTTGAGAGCTTTC	CAACAAATG	2330
Db	2221	GAGAAAGTGGGAGTTGCTTTGACCA	CATGAAGTCTGCTTTGAGAGCTTTC	CAACAAATG	2280
Qy	2331	CCCAAGCTGATTTCCCCCACTGAAAG	CCCTGTTTCTGCGCACATCGAGGAGAT	CGAGGAG	2390
Db	2281	CCCAAGCTGATTTCCCCCACTGAAAG	CCCTGTTTCTGCGCACATCGAGGAGAT	CGAGGAG	2340
Qy	2391	CGCAGGGAGAAAGCGGGAGCTCGGCA	AGTGGCGCGCGGCCCTCTGTCTCAG	GAGAGCTGGCA	2450
Db	2341	CGCAGGGAGAAAGCGGGAGCTCGGCA	AGTGGCGCGCGGCCCTCTGTCTCAG	GAGAGCTGGCA	2400
Qy	2451	GGCGGCTTGGAGGATGGGAGCCCTCAG	CAGAAAGCGGGGCCACACAGAGGAGCC	CACAGGCC	2510
Db	2401	GGCGGCTTGGAGGATGGGAGCCCTCAG	CAGAAAGCGGGGCCACACAGAGGAGCC	CACAGGCC	2460
Qy	2511	AAGAAGGTCAGAGCCCACTGA		2531	
Db	2461	AAGAAGGTCAGAGCCCACTGA		2481	

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RESULT 12
US-09-988-687-1
; Sequence 1, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtgian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2481
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2478)
US-09-988-687-1

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Query Match	83.9%;	Score 2481;	DB 10;	Length 2481;
Best Local Similarity	100.0%;	Pred. No. 0;		
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Qy	111	ACCATATGCGAGGCAACCGCCCGCGGAGCGGGCCGGCAAGGACCCGCTGGGGACCTG	170	
Db	61	ACCATATGCGAGGCAACCGCCCGCGGAGCGGGCCGGCAAGGACCCGCTGGGGACCTG	120	
Qy	171	CGCAGCGAGAGAAAGCGGAGCCGTGGGGTGCTTCGGCGGGCCAAAACCGGTGTACCTG	230	
Db	121	CGCAGCGAGAGAGCGGAGCCGTGGGGTGCTTCGGCGGGCCAAAACCGGTGTACCTG	180	
Qy	231	CAGGTGTGGCAGCGGGTAGCCGGACTCGGGCGCGCGGCTCTACGTCTTCTCCAGTTC	290	
Db	181	CAGGTGTGTGGCAGCGGGTAGCCGGAGCTCGGGCGCGCGGCTCTACGTCTTCTCCAGTTC	240	

Qy	291	AACCGGTACTCTTCAACTGTGGAGAGCGCTT	CAGAGACTCATG	CAGAGACACAAAGTTA	350
Db	241	AACCGGTACTCTTCAACTGTGGAGAGCGCTT	CAGAGACTCATG	CAGAGACACAAAGTTA	300
Qy	351	AAGTTTGCTCGCTGCAGCAACATATTTCTT	GACAGAAATGCACTGGTCTAATGTTGGGGC	410	
Db	301	AAGTTTGCTCGCTGCAGCAACATATTTCTT	GACAGAAATGCACTGGTCTAATGTTGGGGC	360	
Qy	411	TTAAGTGGAAATGATCTTTACTTTAAAGGAA	ACGGGCTTCCAAAGTGTGACTTTCTGGA	470	
Db	361	TTAAGTGGAAATGATCTTTACTTTAAAGGAA	ACGGGCTTCCAAAGTGTGACTTTCTGGA	420	
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Db	421	CTTCCACAACTGGAAAAATACCTTCGAAGCA	ATCAAAATATTTTCTGGTCCAATGAAAGGA	480	
Qy	531	ATAGAACTGGCTGTGGGGCCCACTCTGCTCC	CAGAAATACGAGATGAACCAATGACAGTT	590	
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Qy	591	TACAGATCCCATAACACAGTGAACAGAGAG	GGGAAAGCACCAACATGGCAGAGTCCA	650	
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Qy	891	GGGAAAAGCATCACTCATGAAGCAAGAGAT	TTTGGCTCAAGAGCTGTGTACTCCTCCA	950	
Db	841	GGGAAAAGCATCACTCATGAAGCAAGAGAT	TTTGGCTCAAGAGCTGTGTACTCCTCCA	900	
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Db	901	GATCCTGGTGCTGCTTTTGTGGTGAGAA	TGTCCAGATGAAGACTTCATCAACCCATC	960	
Qy	1011	TGTGAGAAATGCCACCTTTACAGAGGTACA	AGGAAAGCAGATGCCCCGTGGCTTGGTG	1070	
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Qy	1251	ACCAAGTTTCGGCTGTAAAGAGAGGGCCCA	CCCTCATAGTGTGCCATGGTTCAGGGTCAA	1310	
Db	1201	ACCAAGTTTCGGCTGTAAAGAGAGGGCCCA	CCCTCATAGTGTGCCATGGTTCAGGGTCAA	1260	
Qy	1311	TGCCCTCTCAAGTACACAGCTCCGTCCAG	GAGGGAGTGGCAGAGGGATGCCATTATTACT	1370	
Db	1261	TGCCCTCTCAAGTACACAGCTCCGTCCAG	GAGGGAGTGGCAGAGGGATGCCATTATTACT	1320	
Qy	1371	TGCAATCCTGAGGAAATCATAGTTGAGGG	CGCTGCAGCTTCCCAACTTCCAGAGAGCGTG	1430	



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Db 481 ATAGAACTGGCTGTGGCGCCCACTCTGCCCCAGATACGAGGATGAACCATGACAGTT 540  
Qy 591 TACCAGATCCCATACACAGTGAACAGAGGAGGGAAGCAACCACTGACAGTCCA 650  
Db 541 TACCAGATCCCATACACAGTGAACAGAGGAGGGAAGCAACCACTGACAGTCCA 600  
Qy 651 GAAAGCCCTCTCAGCAGCTCAGTCCAGAGCATCTTCAGACTCCGATCGAATGAAT 710  
Db 601 GAAAGCCCTCTCAGCAGCTCAGTCCAGAGCATCTTCAGACTCCGATCGAATGAAT 660  
Qy 711 GAGCCACACCTTCCACATGGTGTAGCCAGAGAGAGGGGTGAGGAGCTTCCCTGGTC 770  
Db 661 GAGCCACACCTTCCACATGGTGTAGCCAGAGAGAGGGGTGAGGAGCTTCCCTGGTC 720  
Qy 771 GTAGCTTTCATCTGTAAAGTTCACTTAAAGAGAGGAAACTTCTTGGTCTCAAGCAAG 830  
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Qy 831 GAGATGGGCTCCCACTGTTGGGACAGCTGCCATCTCCATCATTTGCTGTCAAGGAC 890  
Db 781 GAGATGGGCTCCCACTGTTGGGACAGCTGCCATCTCCATCATTTGCTGTCAAGGAC 840  
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Db 841 GCGAAAGCATCACTCATGAAGAGAGAGATTTTGGTGAAGAGCTGTACTCTCCA 900  
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Qy 1731 CAGAGAAACCGCTTGGCATCTTTGGGAAAGCCGCTTCAACCTTTGCTGGTGGTTGCC 1790  
Db 1681 CAGAGAAACCGCTTGGCATCTTTGGGAAAGCCGCTTCAACCTTTGCTGGTGGTTGCC 1740  
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Db 1861 GTGAAAGATTTGATTCAGTTCGCTGTGCGAAATGATTTGGAAGAGTTTCAGACTGT 1920  
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Db 2461 AAGAAAGTCAAGCCAGTGA 2481

## RESULT 14

US-09-988-626-221  
; Sequence 221, Application US/09988626  
; Publication No. US20030044959A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigan, Sean V.  
; APPLICANT: Teng, David H.F.









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Job time : 1452.96 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: July 28, 2004, 14:28:52 ; Search time 21 Seconds  
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Title: US-09-434-382-2

Perfect score: 4325

Sequence: 1 MWALCSLLRGAAGTMSQGR.....EPQOKRAHTEPOAKKVRQA 826

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep:\*
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- 4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep:\*
- 5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pep:\*
- 6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	4283	99.0	826	US-09-564-805-224	Sequence 224, App
3	4261	98.5	826	US-09-564-805-226	Sequence 226, App
4	3473.5	80.3	822	US-09-564-805-222	Sequence 222, App
5	875.5	20.2	837	US-09-564-805-228	Sequence 228, App
6	760	17.6	844	US-09-564-805-227	Sequence 227, App
7	599.5	13.9	838	US-09-315-794-52	Sequence 52, Appl
8	599.5	13.9	838	US-09-389-341-52	Sequence 52, Appl
9	599.5	13.9	838	US-09-564-805-229	Sequence 229, App
10	420	9.7	81	US-09-564-805-211	Sequence 211, App
11	281	6.5	307	US-09-564-805-232	Sequence 232, App
12	278	6.4	73	US-09-564-805-213	Sequence 213, App
13	275	6.4	73	US-09-564-805-230	Sequence 230, App
14	269.5	6.2	317	US-09-393-858-20	Sequence 20, Appl
15	245.5	5.7	363	US-09-543-681A-8261	Sequence 6261, Ap
16	244	5.6	310	US-09-564-805-220	Sequence 220, App
17	243.5	5.6	326	US-09-489-039A-8134	Sequence 8134, Ap
18	241.5	5.6	307	US-09-564-805-231	Sequence 231, App
19	241.5	5.6	307	US-09-134-001C-3238	Sequence 3238, Ap
20	233	5.4	307	US-09-198-452A-433	Sequence 43, Appl
21	228.5	5.3	307	US-09-393-858-17	Sequence 17, Appl
22	217.5	5.0	309	US-09-393-858-8	Sequence 8, Appli
23	203	4.7	324	US-09-328-352-4636	Sequence 4636, Ap
24	172.5	4.0	319	US-09-553-863-2	Sequence 2, Appli
25	172.5	4.0	319	US-09-553-863-4	Sequence 4, Appli
26	123.5	2.9	178	US-09-134-000C-3409	Sequence 3409, Ap
27	122.5	2.8	253	US-09-107-532A-6424	Sequence 6424, Ap

#### ALIGNMENTS

##### RESULT 1

US-09-564-805-2  
; Sequence 2, Application US/09564805  
; Patent No. 6333403

##### GENERAL INFORMATION:

; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 826  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-564-805-2

Query Match 100.0%; Score 4325; DB 4; Length 826;

Best Local Similarity 100.0%; Pred. NO. 0;

Mismatches 826; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MWALCSLLRGAAGTMSQGR	TSOAPARRRPRKDP	PLRHLRTREKRGPS	CGSGGPNVYL	60
Db	1	MWALCSLLRGAAGTMSQGR	TSOAPARRRPRKDP	PLRHLRTREKRGPS	CGSGGPNVYL	60
Qy	61	QVVAAGSRDSCAALYVFSE	FNRYLFCNCGVQRLM	QEHKLKVARLDNI	FLTRMHWSNVGG	120
Db	61	QVVAAGSRDSCAALYVFSE	FNRYLFCNCGVQRLM	QEHKLKVARLDNI	FLTRMHWSNVGG	120
Qy	121	LSGMILTKETGLPKCVLS	GPPOLEKYLEAIKIFSG	PLKGLAVRPHSAPEY	DEMTV	180
Db	121	LSGMILTKETGLPKCVLS	GPPOLEKYLEAIKIFSG	PLKGLAVRPHSAPEY	DEMTV	180
Qy	181	YOPIHSEQRKGKQHPWQ	SPERPLSRSPSRSDSE	SENEPHLPHGVSRQR	VRDSSLV	240
Db	181	YOPIHSEQRKGKQHPWQ	SPERPLSRSPSRSDSE	SENEPHLPHGVSRQR	VRDSSLV	240
Qy	241	VAFTCKLHLKRGNFVLV	KAKEMGLPVGTAAIAP	IIAAVKDGKSTHGREI	LABELCTPP	300
Db	241	VAFTCKLHLKRGNFVLV	KAKEMGLPVGTAAIAP	IIAAVKDGKSTHGREI	LABELCTPP	300

301 DPGAAFFVVECPDESFIQICENATFORQOGKADAPVALVHMAPASVLVDSRYQQWMMER 360  
301 DPGAAFFVVECPDESFIQICENATFORQOGKADAPVALVHMAPASVLVDSRYQQWMMER 360  
361 FGPDTOHLVNLNENCASVHNLRSKIQOTQNLNHPDIFPLLTSPRCKKEGFTLSVPMVQGE 420  
361 FGPDTOHLVNLNENCASVHNLRSKIQOTQNLNHPDIFPLLTSPRCKKEGFTLSVPMVQGE 420  
421 CLKYQOLRRPRRQORDAIITCNPEEFIVEALQLPNFQOSVQYRRAQOGPAPAEKRSQY 480  
421 CLKYQOLRRPRRQORDAIITCNPEEFIVEALQLPNFQOSVQYRRAQOGPAPAEKRSQY 480  
481 PEIIFGTGSAIPMKIRNVSAITLVNISPDTSLLLDCGEGTFQOLCRHYGQVDRVLGTILA 540  
481 PEIIFGTGSAIPMKIRNVSAITLVNISPDTSLLLDCGEGTFQOLCRHYGQVDRVLGTILA 540  
541 AVFVSHLHADHHTGLPSILLQERASLGKPLHPLLVVAPNOLKAWLQOYHNCQOEVLH 600  
541 AVFVSHLHADHHTGLPSILLQERASLGKPLHPLLVVAPNOLKAWLQOYHNCQOEVLH 600  
601 HISMIPAKCLQEGAEISSPAVERLISSLLRTCDLEEFQCLVRHCKHAFGCALVHTSGWK 660  
601 HISMIPAKCLQEGAEISSPAVERLISSLLRTCDLEEFQCLVRHCKHAFGCALVHTSGWK 660  
661 VVYSGDTMPCALVRMGKDATILLIHEATLEDGLEEAEVEKTHSTTSQAISVGMWNAEPI 720  
661 VVYSGDTMPCALVRMGKDATILLIHEATLEDGLEEAEVEKTHSTTSQAISVGMWNAEPI 720  
721 MLNHFQRYAKVPLFSPNFSEKVGVAFDHMKVCFDFTMPKLIPLKALFAGDIEEMEE 780  
721 MLNHFQRYAKVPLFSPNFSEKVGVAFDHMKVCFDFTMPKLIPLKALFAGDIEEMEE 780  
781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQA 826  
781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQA 826

RESULT 2  
US-09-564-805-224  
; Sequence 224, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 224  
; LENGTH: 826  
; TYPE: PRT  
; ORGANISM: Pan troglodytes  
US-09-564-805-224

Query Match 99.0%; Score 4283; DB 4; Length 826;  
Best Local Similarity 98.9%; Pred. No. 0;  
Matches 817; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

1 MWALCSLRSAGRTMSQGRITISQAPARRPRKDPDLHLTREKRGPSGSGGNTVYL 60  
1 MWALCSLRSAGRTMSQGRITISQAPARRPRKDPDLHLTREKRGPSGSGGNTVYL 60

QY 61 QVVAAGSRDGAALYVSEFNRYLFCNGEGVQRLMOEHLKVARLDNIFLTRMHSNVGG 120  
DB 61 QVVAAGSRDGAALYVSEFNRYLFCNGEGVQRLMOEHLKVARLDNIFLTRMHSNVGG 120  
QY 121 LSGMILTLETGTGPKCVLSPGPOLEKYLEAIFSGPLKGIELAVPHSAPEYEDETMTV 180  
DB 121 LSGMILTLETGTGPKCVLSPGPOLEKYLEAIFSGPLKGIELAVPHSAPEYEDETMTV 180  
QY 181 YQIPIHSEQRGRKHQPMQSPERPLSRSPSSSDSSNENEPHLPBGVSORRQVRDSSLV 240  
DB 181 YQIPIHSEQRGRKHQPMQSPERPLSRSPSSSDSSNENEPHLPBGVSORRQVRDSSLV 240  
QY 241 VAFICKLHLKRGNPLVLKAKEMGLPVGTAAIAPIIAAVKDGKSIITHEGREILABELCTPP 300  
DB 241 VAFICKLHLKRGNPLVLKAKEMGLPVGTAAIAPIIAAVKDGKSIITHEGREILABELCTPP 300  
QY 301 DPGAAFFVVECPDESFIQICENATFORQOGKADAPVALVHMAPASVLVDSRYQQWMMER 360  
DB 301 DPGAAFFVVECPDESFIQICENATFORQOGKADAPVALVHMAPASVLVDSRYQQWMMER 360  
QY 361 FGPDTOHLVNLNENCASVHNLRSKIQOTQNLNHPDIFPLLTSPRCKKEGFTLSVPMVQGE 420  
DB 361 FGPDTOHLVNLNENCASVHNLRSKIQOTQNLNHPDIFPLLTSPRCKKEGFTLSVPMVQGE 420  
QY 421 CLKYQOLRRPRRQORDAIITCNPEEFIVEALQLPNFQOSVQYRRAQOGPAPAEKRSQY 480  
DB 421 CLKYQOLRRPRRQORDAIITCNPEEFIVEALQLPNFQOSVQYRRAQOGPAPAEKRSQY 480  
QY 481 PEIIFGTGSAIPMKIRNVSAITLVNISPDTSLLLDCGEGTFQOLCRHYGQVDRVLGTILA 540  
DB 481 PEIIFGTGSAIPMKIRNVSAITLVNISPDTSLLLDCGEGTFQOLCRHYGQVDRVLGTILA 540  
QY 541 AVFVSHLHADHHTGLPSILLQERASLGKPLHPLLVVAPNOLKAWLQOYHNCQOEVLH 600  
DB 541 AVFVSHLHADHHTGLPSILLQERASLGKPLHPLLVVAPNOLKAWLQOYHNCQOEVLH 600  
QY 601 HISMIPAKCLQEGAEISSPAVERLISSLLRTCDLEEFQCLVRHCKHAFGCALVHTSGWK 660  
DB 601 HISMIPAKCLQEGAEISSPAVERLISSLLRTCDLEEFQCLVRHCKHAFGCALVHTSGWK 660  
QY 661 VVYSGDTMPCALVRMGKDATILLIHEATLEDGLEEAEVEKTHSTTSQAISVGMWNAEPI 720  
DB 661 VVYSGDTMPCALVRMGKDATILLIHEATLEDGLEEAEVEKTHSTTSQAISVGMWNAEPI 720  
QY 721 MLNHFQRYAKVPLFSPNFSEKVGVAFDHMKVCFDFTMPKLIPLKALFAGDIEEMEE 780  
DB 721 MLNHFQRYAKVPLFSPNFSEKVGVAFDHMKVCFDFTMPKLIPLKALFAGDIEEMEE 780  
QY 781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQA 826  
DB 781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQA 826

RESULT 3  
US-09-564-805-226  
; Sequence 226, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240

; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 226  
; LENGTH: 826  
; TYPE: PRT  
; ORGANISM: Gorilla gorilla  
US-09-564-805-226

Query Match 98.5%; Score 4261; DB 4; Length 826;  
Best Local Similarity 98.5%; Pred. No. 0;  
Matches 814; Conservative 5; Mismatches 7; Indels 0; Gaps 0;  
  
Qy 1 MWALCSLLRSAGRTMSOGRTISQAPARRERPKDPLHLRTREKRGPSGCGSPNTVYL 60  
Db 1 MWALCSLLRSAGRTMSOGRTISQAPARRERPKDPLHLRTREKRGPSGCGSPNTVYL 60  
  
Qy 61 QVVAAGSDSDGAALYVFSEFNRYLFCNCGEGVQRLMOEHKLVARLDNIIFLTRHWSNVGG 120  
Db 61 QVVAAGSDSDGAALYVFSEFNRYLFCNCGEGVQRLMOEHKLVARLDNIIFLTRHWSNVGG 120  
  
Qy 121 LSGMILTILKETGLPKCVLSGPPQLEKYLEAIFSGPLKGLIELAVRPHSAPEYEDETMTV 180  
Db 121 LSGMILTILKETGLPKCVLSGPPQLEKYLEAIFSGPLKGLIELAVRPHSAPEYEDETMTV 180  
  
Qy 181 YOIPHSORRGKHQWSPERPLSRSPSSSDSESNENEPHPLPHGVQSRGVRDSSLV 240  
Db 181 YOIPHSORRGKHQWSPERPLSRSPSSSDSESNENEPHPLPHGVQSRGVRDSSLV 240  
  
Qy 241 VAFICLHLKRGNFVLKAKEMGLPVGTAA\*APIIAAVKDGKSI\*THEGREILAEELCTPP 300  
Db 241 VAFICLHLKRGNFVLKAKEMGLPVGTAA\*APIIAAVKDGKSI\*THEGREILAEELCTPP 300  
  
Qy 301 DGAFAFVVECPDESFIOPICNATFORYQKADAPVALVVMAPASVLVDSRYQOWMER 360  
Db 301 DGAFAFVVECPDESFIOPICNATFORYQKADAPVALVVMAPASVLVDSRYQOWMER 360  
  
Qy 361 FGPDTHLVNENCASVHNLRSKIQTLNLHPDIFPLLTSPFRCKEGPTLSVPMVOGE 420  
Db 361 FGPDTHLVNENCASVHNLRSKIQTLNLHPDIFPLLTSPFRCKEGPTLSVPMVOGE 420  
  
Qy 421 CLKYQLRPRRWQORDAITCNPEFIVEALQPNFQOSVQEVRESAODGAPAEKRSQY 480  
Db 421 CLKYQLRPRRWQORDAITCNPEFIVEALQPNFQOSVQEVRESAODGAPAEKRSQY 480  
  
Qy 481 PRIFILGTGSAIPMKIRNVSATLVNISPDTSLLDCCGEGTFQGLCRHYGDQVDRVLGTLA 540  
Db 481 PRIFILGTGSAIPMKIRNVSATLVNISPDTSLLDCCGEGTFQGLCRHYGDQVDRVLGTLA 540  
  
Qy 541 AVFVSHLHADHTGLPSILLQREHALASLGKPLHPILLVAPNOLKAWLQOYHNCQCEVLH 600  
Db 541 AVFVSHLHADHTGLINILLQREHALASLGKPLHPILLVAPNOLKAWLQOYHNCQCEVLH 600  
  
Qy 601 HISMIPAKCLQGAELISSPAVERLISLLRTCDLEEFQTLVRHCKHAFGCALVHTSGWK 660  
Db 601 HISMIPAKCLQGAELISSPAVERLISLLRTCDLEEFQTLVRHCKHAFGCALVHTSGWK 660  
  
Qy 661 VVYSGDTMPCALVRMGKDATLLIHEATLEDGLEEAEVKTHTTSQALISVGMWNAEF 720  
Db 661 VVYSGDTMPCALVRMGKDATLLIHEATLEDGLEEAEVKTHTTSQALISVGMWNAEF 720  
  
Qy 721 MLNHSQRYAKYPLSPNESEKGVAFDHMKVCFGDPPTMPKLI\*IPPLKALFAGDTEEMEE 780  
Db 721 MLNHSQRYAKYPLSPNESEKGVAFDHMKVCFGDPPTMPKLI\*IPPLKALFAGDTEEMEE 780  
  
Qy 781 RREKRELQVRAALLSRELAGGEDGEPQOKRAHTEEPQAKKVRQAQ 826  
Db 781 RREKRELQVRAALLSRELAGGEDGEPQOKRAHTEEPQAKKVRQAQ 826

RESULT 4  
US-09-564-805-222  
; Sequence 222, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:

; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 222  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-564-805-222

Query Match 80.3%; Score 3473.5; DB 4; Length 822;  
Best Local Similarity 80.5%; Pred. No. 0;  
Matches 665; Conservative 66; Mismatches 76; Indels 19; Gaps 6;  
  
Qy 1 MWALCSLLRSAGRTMSOGRTISQAPARRERPKDPLHLRTREKRGPSGCGSPNTVYL 60  
Db 1 MWALCSLLRSAGRTMSOGRTISQAPARRERPKDPLHLRTREKRGPSGCGSPNTVYL 60  
  
Qy 61 QVVAAGSDSDGAALYVFSEFNRYLFCNCGEGVQRLMOEHKLVARLDNIIFLTRHWSNVGG 120  
Db 61 QVVAAGSDSDGAALYVFSEFNRYLFCNCGEGVQRLMOEHKLVARLDNIIFLTRHWSNVGG 120  
  
Qy 121 LSGMILTILKETGLPKCVLSGPPQLEKYLEAIFSGPLKGLIELAVRPHSAPEYEDETMTV 180  
Db 121 LSGMILTILKETGLPKCVLSGPPQLEKYLEAIFSGPLKGLIELAVRPHSAPEYEDETMTV 180  
  
Qy 181 YOIPHSORRGKHQWSPERPLSRSPSSSDSESNENEPHPLPHGVQSRGVRDSSL 239  
Db 181 YOIPHSORRGKHQWSPERPLSRSPSSSDSESNENEPHPLPHGVQSRGVRDSSL 239  
  
Qy 239 YOIPHSORRGKHQWSPERPLSRSPSSSDSESNENEPHPLPHGVQSRGVRDSSL 239  
Db 239 YOIPHSORRGKHQWSPERPLSRSPSSSDSESNENEPHPLPHGVQSRGVRDSSL 239  
  
Qy 241 VAFICLHLKRGNFVLKAKEMGLPVGTAA\*APIIAAVKDGKSI\*THEGREILAEELCTP 299  
Db 241 VAFICLHLKRGNFVLKAKEMGLPVGTAA\*APIIAAVKDGKSI\*THEGREILAEELCTP 299  
  
Qy 299 VAFICLHLKRGNFVLKAKEMGLPVGTAA\*APIIAAVKDGKSI\*THEGREILAEELCTP 299  
Db 299 VAFICLHLKRGNFVLKAKEMGLPVGTAA\*APIIAAVKDGKSI\*THEGREILAEELCTP 299  
  
Qy 300 PDGAAFWVVECPDESFIOPICNATFORYQKADAPVALVVMAPASVLVDSRYQOWME 359  
Db 300 PDGAAFWVVECPDESFIOPICNATFORYQKADAPVALVVMAPASVLVDSRYQOWME 359  
  
Qy 359 PDGAAFWVVECPDESFIOPICNATFORYQKADAPVALVVMAPASVLVDSRYQOWME 359  
Db 359 PDGAAFWVVECPDESFIOPICNATFORYQKADAPVALVVMAPASVLVDSRYQOWME 359  
  
Qy 360 RFGPDTHLVNENCASVHNLRSKIQTLNLHPDIFPLLTSPFRCKEGPTLSVPMVOG 419  
Db 360 RFGPDTHLVNENCASVHNLRSKIQTLNLHPDIFPLLTSPFRCKEGPTLSVPMVOG 419  
  
Qy 419 RFGPDTHLVNENCASVHNLRSKIQTLNLHPDIFPLLTSPFRCKEGPTLSVPMVOG 419  
Db 419 RFGPDTHLVNENCASVHNLRSKIQTLNLHPDIFPLLTSPFRCKEGPTLSVPMVOG 419  
  
Qy 420 ECLLYQLRPRRWQORDAITCNPEFIVEALQPNFQOSVQEVRESAODGAPAEKRSQ 479  
Db 420 ECLLYQLRPRRWQORDAITCNPEFIVEALQPNFQOSVQEVRESAODGAPAEKRSQ 479  
  
Qy 479 ECLLYQLRPRRWQORDAITCNPEFIVEALQPNFQOSVQEVRESAODGAPAEKRSQ 479  
Db 479 ECLLYQLRPRRWQORDAITCNPEFIVEALQPNFQOSVQEVRESAODGAPAEKRSQ 479  
  
Qy 480 YPEIFILGTGSAIPMKIRNVSATLVNISPDTSLLDCCGEGTFQGLCRHYGDQVDRVLGTL 539  
Db 480 YPEIFILGTGSAIPMKIRNVSATLVNISPDTSLLDCCGEGTFQGLCRHYGDQVDRVLGTL 539  
  
Qy 539 YPEIFILGTGSAIPMKIRNVSATLVNISPDTSLLDCCGEGTFQGLCRHYGDQVDRVLGTL 539  
Db 539 YPEIFILGTGSAIPMKIRNVSATLVNISPDTSLLDCCGEGTFQGLCRHYGDQVDRVLGTL 539  
  
Qy 540 AAVFVSHLHADHTGLPSILLQREHALASLGKPLHPILLVAPNOLKAWLQOYHNCQCEVL 599  
Db 540 AAVFVSHLHADHTGLPSILLQREHALASLGKPLHPILLVAPNOLKAWLQOYHNCQCEVL 599  
  
Qy 599 AAVFVSHLHADHTGLPSILLQREHALASLGKPLHPILLVAPNOLKAWLQOYHNCQCEVL 599  
Db 599 AAVFVSHLHADHTGLPSILLQREHALASLGKPLHPILLVAPNOLKAWLQOYHNCQCEVL 599  
  
Qy 600 HISMIPAKCLQGAELISSPAVERLISLLRTCDLEEFQTLVRHCKHAFGCALVHTSGW 659  
Db 600 HISMIPAKCLQGAELISSPAVERLISLLRTCDLEEFQTLVRHCKHAFGCALVHTSGW 659  
  
Qy 659 HISMIPAKCLQGAELISSPAVERLISLLRTCDLEEFQTLVRHCKHAFGCALVHTSGW 659  
Db 659 HISMIPAKCLQGAELISSPAVERLISLLRTCDLEEFQTLVRHCKHAFGCALVHTSGW 659  
  
Qy 660 KVVYSGDTMPCALVRMGKDATLLIHEATLEDGLEEAEVKTHTTSQALISVGMWNAEF 719  
Db 660 KVVYSGDTMPCALVRMGKDATLLIHEATLEDGLEEAEVKTHTTSQALISVGMWNAEF 719  
  
Qy 719 KVVYSGDTMPCALVRMGKDATLLIHEATLEDGLEEAEVKTHTTSQALISVGMWNAEF 719  
Db 719 KVVYSGDTMPCALVRMGKDATLLIHEATLEDGLEEAEVKTHTTSQALISVGMWNAEF 719



Db 215 AGLKVTIPL-----SP--PLN-----IGSNKSN-----VK 241  
Qy 236 DSSLVAFICLHLKRGFLVAKAKMGLPVGTAAIAPIAAVKGKSIIT-HEGREILAE 294  
Db 242 VNVVDIAFLIEMKEAARRIDTMKLMELKVPKG-----PLICKLSGEAVTLPDGRTIQPD 296  
Qy 295 ELCTP---PDCAAFAVVVECPDESFIQICENATFORQYQKADAPVALVHMAPASVLVD 351  
Db 297 QVFFSDKVEGDKPLLLVTECTEDHVKALIDSSSLQPL-NGEKQLDVMYHISDAVINT 355  
Qy 352 SRYQOMWERF-GPDTQHLVLNENCASVHNLS-HKIQTQLNLIHDPDIPFLITTSFRCKEG 409  
Db 356 PTRYHLMKLNIPSITHLLINGNPVPAVESVYKHTLRLSLAPSPFALHPI-----409  
Qy 410 PTLSPVMQGECLAKYQ-----LRP-RREWORDAIITCNPEEFIVEALQL-----PNFQQ 458  
Db 410 -DWSGIIITONEELSQRQDFIRVAPMORYMWRG-ASTNEBPVNNLLAAPPESLDRAKE 467  
Qy 459 SVOEYRRAQDGPAPAEKRSQYPEIIFLTGSAIPMKIRNVSATLVNISPSTSLLLDCGE 518  
Db 468 LIKEYQLEKKNQMDCE-----FPKLTFFGTSAPVSKYRNVTGYLVEASENSAILIDVGE 523  
Qy 519 GTFGQLCRHYG-DQVDRVLGTAAVFSVSHLHADHTGLPSILLQERALASLGKPLHPLL 577  
Db 524 GTYQYRAVFGEDGCKQLLVNLCVLIITHAQDHVNGLYTIIARKKEAFESLGAPYRPLV 583  
Qy 578 WVAPNOLKAWIQOYHNCQOEVLLHISMI-----PAKLOGBAIBSP-----619  
Db 584 LVCNRNLKPKTY-SICFENIEHLLLEIVDISRVPYLTTPPGFSGPGPKRPLSPHLPSP 642  
Qy 620 -AVERLTSSL-LRCDLEEFQTLVRHCKHAFGALVHTSGWKVYSGDTPMCEALVRM 676  
Db 643 RDVLQDMSSEDFKAKWIDELKAVQVHTRVANG-FVNRVAGKRVFSGDTKPCDLLVEE 701  
Qy 677 GKDATLLIHEATLEDGLE-----EEAVEKTHSTTSQAISVGMMAEF 719  
Db 702 GKADVLVHSESTFEDGHEVDMTPPKPKLAKITSSILADAMRKRHSTMGQAVDVGKRMNAKH 761  
Qy 720 IMLNHFSQYAKVPLFSNF--SEKVGVAFDHMKVCFGDFPTMPKLIPLKALPAGDIEE 777  
Db 762 IILTHFSARYPKVPL-BEYLDKENIGVANDMLRVDFHPLVLSKLLPTEFREVFAELFE 820  
Qy 778 MEERREKREL 788  
Db 821 LTIKKEQVLIK 831

RESULT 7  
US-09-315-794-52  
; Sequence 52, Application US/09315794  
; Patent No. 6197517  
; GENERAL INFORMATION:  
; APPLICANT: Roberts, Christopher J.  
; TITLE OF INVENTION: ESSENTIAL GENES OF YEAST AS TARGETS FOR ANTIFUNGAL  
; TITLE OF INVENTION: AGENTS, HERBICIDES, INSECTICIDES AND ANTI-PROLIFERATION  
; TITLE OF INVENTION: DRUGS  
; FILE REFERENCE: 9301-053  
; CURRENT APPLICATION NUMBER: US/09/315,794  
; CURRENT FILING DATE: 1999-05-21  
; NUMBER OF SEQ ID NOS: 64  
; SOFTWARE: Patent Ver. 2.0  
; SEQ ID NO 52  
; LENGTH: 838  
; TYPE: PRT  
; ORGANISM: Saccharomyces cerevisiae  
US-09-315-794-52  
Query Match 13.9%; Score 599.5; DB 3; Length 838;  
Best Local Similarity 25.7%; Pred. No. 2.9e-49;  
Matches 221; Conservative 138; Mismatches 290; Indels 211; Gaps 36;  
Qy 82 RYLF-NCBGGVQRLMQEHLKVARLDNIPLT-RMHSNVGGLSGMLITLKETGLPKCVLS 139

Db 28 KYFFGKIGSGORSUTENKIRISKLDIFLTGELNWSDIGGLPGMLITTIADQOKSNLVUH 87  
Qy 140 GPQLEKYLEAIKIFSGPLKGLIELAVRPHSAPE---YEDETMTVYQIPI---HSEQRQK 193  
Db 88 YGNDILNIYIVSTWRYVFPFGIDL--NDHIMKDKKEYKDKIIIAVKSFNVLKNGGEDRLGV 145  
Qy 194 HQPWQS-----PERPLSRSPERSDSSENEPHLPHCVSQRGVRDSSLVV 241  
Db 146 FDSFGQGLVRSIVAKMFPKHAFTDRYDP--SDPHUNVLPDL-----DAKVEV 192  
Qy 242 AFTCKLHLK--RGNFLVLKAKMGLPVGTAAIAPIAAVKGKSIIT-HEGREILAEELCT 298  
Db 193 STNYEISFSPVRGKFKVBEAKLGVKPG-----PLFAKLTGQTIIDNGIIVVTPQVLE 247  
Qy 299 PPDGAAFAVVVECPDESFIQICENATFORQYQKADAPVALVHMAPASVLVDSRQOMM 358  
Db 248 NERHFAKVLIDIPDLYL-----NAFVEKFKDYDCAELGMVYFYGDEVTINDNLFAFI 302  
Qy 359 ERGPDTOHLVLNENCASVHNLSHKIQTLNLIHDPDIPPL-----LTSFRCK-----406  
Db 303 DIFE-----KNTYKGNHMLSH-----NKISPTISFSGSALTTLKLKALQVNNYN 348  
Qy 407 --KEGPTLS-----VPMVQGECLLYQLRPRRE-----WORDAITCNP-----443  
Db 349 LPKTDVFSKDFYDRPDTPLSRGTSCKSQSEEPNTIIEKDNHIFESQKNTVTFEPFRMN 408  
Qy 444 -----BEFIVEALQLP-----NFOQSVQYERRSAQDGPAPA 474  
Db 409 EBPKNKINGEADAFWQEIFEEH-VKPLEFPPLADVDTVINNLHVDNFNNSAE-----451  
Qy 475 EKRSQYPEIIFLTGSAIPMKIRNVSATLVNI-----SPDTSLLDCGEGTFQOLCR 526  
Db 462 --KKKVEIITLTGSGALPSKYRNVVSTLVKVPFTDADGNTINRNIMLDAGENTLGTIHR 519  
Qy 527 HYGD-QVDRVLGTAAVFSVSHLHADHTGLPSILLQERALASLGKPLHPLVVAQNOLK 565  
Db 520 MFSQLAVKSFQDLKMYLSHLHADHGLIISVL--NEWKYNRKDDETSIIYVVT-----573  
Qy 586 AWLQOYHN-----CQOEVLLHISMIPA-----KCLQEGA- 614  
Db 574 -W-QYHKFVNMVLNLEKILKIKYISCEHFINDSFVRMOTQSVPLAFNBIKENS 630  
Qy 615 -----EISSPAVER---LISSLLTCDLEEFQTLVRHCKHAFGALV-----HT 656  
Db 631 QESNRKLEDRDSSYRDVLIQWYEDLSIEYFQTCRAIHCWDWAYSNSITFRMDENNEHN 690  
Qy 657 SGWKVYVSGDTPC--EALVRMGKDATLLIHEATLEDGLEEBEAVEKTHSTTSQAISVGM 714  
Db 691 T-FKVSYSGDTRENIEKFSLEIGNSDLLIHEATLENQLEDAVKKKXCTINEAIGVSNK 749  
Qy 715 MNAEFIMLNHFSQYAKVPLFSNF--FSEKVGVAFDHMKVCFGDFPTMPKLIPLKALP 771  
Db 750 MNAKLLIITHFSQYKPKLPOLDNNIDVMAREFCFAFDSMIVDYEKIGEQQORIFPLLNKAF 809  
Qy 772 AGDIEEMERREKRELQVR 791  
Db 810 ---VEEKEEBEDVDVESVQ 826

RESULT 8  
US-09-389-341-52  
; Sequence 52, Application US/09389341  
; Patent No. 6200803  
; GENERAL INFORMATION:  
; APPLICANT: Roberts, Christopher J.  
; TITLE OF INVENTION: ESSENTIAL GENES OF YEAST AS TARGETS FOR ANTIFUNGAL  
; TITLE OF INVENTION: AGENTS, HERBICIDES, INSECTICIDES AND ANTI-PROLIFERATIVE  
; TITLE OF INVENTION: DRUGS  
; FILE REFERENCE: 9301-057  
; CURRENT APPLICATION NUMBER: US/09/389,341  
; CURRENT FILING DATE: 1999-09-02  
; EARLIER APPLICATION NUMBER: 09/315,794





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Db 574 -W-QYHFKVNWLENKEILKRIKYSCEHFINDSFVRMTQSVPIAEFNEILKNSN 630
QY 615 -----BISPAVER---LISLLRTCDLEFQCLVRHCKHAFGCALV-----HT 656
Db 631 QBSNKLELDRSSYRDVDLIRQMYEDLSIEVFQICRAIHCDWAYNSITFRMDNNEHN 690
QY 657 SOKWVYSGDTWPC--EALVRMGKDATLIIHATLEDEGEEAVEKTHSTTSQAISVGM 714
Db 691 T-FKYSYSGDTSPNIEKFSLEIGYNSDLIIHATLEENLLEDAVKKHCHTINEAIGVSNK 749
QY 715 MNAEFIMLNHFSQYAKVPLRSPN--FSEKVGVAFDHMKVCFGDFPTMPKLIPPLKALF 771
Db 750 MNARLILTHFSQRPKPLQDNNIDVWAREFCFADSMIVDYEKIGEQQRIFFLLNKAF 809
QY 772 AGDIEMERERREKRELQVR 791
Db 810 ---VEEKEEEDVDVESVQ 826
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## RESULT 10

```
US-09-564-805-211
; Sequence 211, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,469
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 211
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-564-805-211
```

```
Query Match
Best Local Similarity 100.0%; Pred. No. 2.1e-33; Length 81;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 1 MWALCSLLRSAAAGRTMSQGRRTISQAPARRERPRKDPPLRLTRKRGPGSGGPNVTYVL 60
Db 1 MWALCSLLRSAAAGRTMSQGRRTISQAPARRERPRKDPPLRLTRKRGPGSGGPNVTYVL 60
QY 61 QVVAAGSRDSGAALYVFSEFN 81
Db 61 QVVAAGSRDSGAALYVFSEFN 81
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## RESULT 11

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US-09-564-805-232
; Sequence 232, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
```

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; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 232
; LENGTH: 307
; TYPE: PRT
; ORGANISM: Methanobacterium thermoautotrophicum
US-09-564-805-232
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Query Match
Best Local Similarity 6.5%; Score 281; DB 4; Length 307;
Matches 84; Conservative 45; Mismatches 93; Indels 76; Gaps 11;
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QY 482 EIIFLGTGSAIPMKIRNVSATLVNISPDTSLLLDGEGTGCQLCRHYGDQDVRVLG--- 537
Db 3 EVTFLGTSSAVPSKVRNHTSIALRI-PGEIFLFDGEGTQDMA-----LAGISPM 52
QY 538 TLAAVFVSHLHADHTGLPSILIQ-----RERLASLGKP-LHPLLVAQNQLKAWLQY 591
Db 53 KVTIRIFITHLGHDLGIPGMIOQMGRGREELDIYGPFGIHEL----- 97
QY 592 HNOQOEVLHISM--IPAKCLOEGABI-----SSPAVERLISLLRTCDLEEFQTC 640
Db 98 -HECIMKMGYFTLDFDLINHEVRGGTVVEDDYRVTSAPASHSVFN--LAYCEEKKRPR 154
QY 641 LVRHCKHAFGC-----ALVH-----TSQWKVYSGDTMPCEAL 673
Db 155 FLREKALALGKPGAPFKLHRGIPVRVGDRIIMPEVLGSPRKGVKVCYSGDTRPCESV 214
QY 674 VRMGKDATLIIHATLEDEGEEAVEKTHSTTSQAISVGMNAEFIMLNHFSQRYAK 731
Db 215 IKTAEGAELIHESTLEAGSEDKAABSGHSTAREAAEVARSAGVKRLILTHLSTRYKR 272
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## RESULT 12

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US-09-564-805-213
; Sequence 213, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 213
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-564-805-213
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Query Match
Best Local Similarity 6.4%; Score 278; DB 4; Length 73;
Matches 60; Conservative 2; Mismatches 11; Indels 8; Gaps 2;
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QY 1 MWALCSLLRSAAAGRTMSQGRRTISQAPARRERPRKDPPLRLTRKRGPGSGGPNVTYVL 60
Db 1 MWALCSLLRSAAAGRTMSQGRRTISQAPARRERPRKDPPLRLTRKRGPGSGGPNVTYVL 52
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; QY 61 QVVAAGSRDGAALYVFSEFN 81
; SEQ ID NO 20
; LENGTH: 311
; TYPE: PRT
; ORGANISM: Escherichia coli
; US-09-393-858-20

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RESULT 13
US-09-564-805-230
; Sequence 230, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1998-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 230
; LENGTH: 311
; TYPE: PRT
; ORGANISM: Escherichia coli
; US-09-564-805-230

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Query Match 6.4%; Score 275; DB 4; Length 311;
Best Local Similarity 26.2%; Pred. No. 3.2e-18;
Matches 78; Conservative 49; Mismatches 109; Indels 62; Gaps 8;

QY 476 KRSQYPEIIFLGTSAGVPMKIRNVSATLVNISPDTS---LLDCCGEGTFCGLCRHYGQV 532
Db 2 KRDELMEIIFLGTSAGVPMKIRNVSATLVNISPDTS---LLDCCGEGTFCGLCRHYGQV 60

QY 533 DRVLGTAAVVFVSHLHADHTGLPSILLQERALASLGKPLHLLVVPAPNQLKAWLQ--- 589
Db 61 ----GKLDKIFSHLHGDHFLGFLPGLCSR-----SMGGIIQLPTIYGPQIREFVETAL 111

QY 590 -----QYHNCQCEV-----LHHISMIP-----AKCLO 611
Db 112 RIGSWTDYPLEIVEIGAGEIILDDGLRKVTAYPLEHLECYGYRIEHDKPGALNAQALK 171

QY 612 EGAEISSPAVERLISSLLRTCDLEEFQTCVLRHCKHAFGCALVHTSGWKVYSGDTMPCE 671
Db 172 AAGVPPGFLFQELKAG--KTITLEDGRQI-----NGADYLAAPVPGKALAFGDTGPCD 223

QY 672 ALVPMGKDATLLIHEATLEDGLEEAEVETHSTTSQAISVGMNMAEFIMLNHFSORY 729
Db 224 AALDLAKGVDMVMEATLDTMEAKNSRGHSSRQAATLAREAGVGKLIITHVSSRY 281

; US-09-564-805-230

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US-09-393-858-20
; Sequence 20, Application US/09393858
; Patent No. 6627747
; GENERAL INFORMATION:
; APPLICANT: Fritz, Christian
; APPLICANT: Youngman, Philip
; APPLICANT: Guzman, Luz-Maria
; TITLE OF INVENTION: ESSENTIAL BACTERIAL GENES AND THEIR USE
; FILE REFERENCE: 06286-088001
; CURRENT APPLICATION NUMBER: US/09/393,858
; CURRENT FILING DATE: 1999-09-09
; PRIOR APPLICATION NUMBER: 60/099,578
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 43

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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 311
; TYPE: PRT
; ORGANISM: Escherichia coli
; US-09-393-858-20

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Query Match 6.4%; Score 275; DB 4; Length 311;
Best Local Similarity 26.2%; Pred. No. 3.2e-18;
Matches 78; Conservative 49; Mismatches 109; Indels 62; Gaps 8;

QY 476 KRSQYPEIIFLGTSAGVPMKIRNVSATLVNISPDTS---LLDCCGEGTFCGLCRHYGQV 532
Db 2 KRDELMEIIFLGTSAGVPMKIRNVSATLVNISPDTS---LLDCCGEGTFCGLCRHYGQV 60

QY 533 DRVLGTAAVVFVSHLHADHTGLPSILLQERALASLGKPLHLLVVPAPNQLKAWLQ--- 589
Db 61 ----GKLDKIFSHLHGDHFLGFLPGLCSR-----SMGGIIQLPTIYGPQIREFVETAL 111

QY 590 -----QYHNCQCEV-----LHHISMIP-----AKCLO 611
Db 112 RIGSWTDYPLEIVEIGAGEIILDDGLRKVTAYPLEHLECYGYRIEHDKPGALNAQALK 171

QY 612 EGAEISSPAVERLISSLLRTCDLEEFQTCVLRHCKHAFGCALVHTSGWKVYSGDTMPCE 671
Db 172 AAGVPPGFLFQELKAG--KTITLEDGRQI-----NGADYLAAPVPGKALAFGDTGPCD 223

QY 672 ALVPMGKDATLLIHEATLEDGLEEAEVETHSTTSQAISVGMNMAEFIMLNHFSORY 729
Db 224 AALDLAKGVDMVMEATLDTMEAKNSRGHSSRQAATLAREAGVGKLIITHVSSRY 281

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RESULT 15
US-09-543-681A-6261
; Sequence 6261, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709-1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 6261
; LENGTH: 317
; TYPE: PRT
; ORGANISM: Proteus mirabilis
; US-09-543-681A-6261

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Query Match 6.2%; Score 269.5; DB 4; Length 317;
Best Local Similarity 25.5%; Pred. No. 1.2e-17;
Matches 81; Conservative 65; Mismatches 115; Indels 57; Gaps 11;

QY 482 EIIFLGTSAGVPMKIRNVSATLVNI-SPDTS-LLDCCGEGTFCGLCRHYGQVDRVLGTL 539
Db 14 ELTFLGTNAGVPSKDRNVTSMLDLQNKQKSLWDFDGEATQHLHSHVK-----LSRI 68

QY 540 AAVFVSHLHADHTGLPSILLQERALASLGKPLHLLVVPAPNQLKAWLQYHNCQCEVL 599
Db 69 NKIFITLHGDHIFLGLPGLCSR-----SMGGTENPLTIYGPQIREFVETAL 123

QY 600 HHISMIPAKCL-----QEGAEISSPAVE-----RLISSLLRTC 632
Db 124 TY---PLDIIEIEQDQGLFEEBEGIRVSCGALSHPVPCFGRLEEDNKPGLNADKLEAE 179

QY 633 D-----LEEFQTCVLRHCKHAFGCALVHT--SGWKVYSGDTMPCEALVRMGKDAT 681
Db 180 NIPRGPWYKLLKQGGKVTUPLDGDIIIDGKDYLSLTKRCIVIFGDTQPTFNKVLAEAD 239

QY 682 LLIHEATLEDGLEEAEVETHSTTSQAISVGMNMAEFIMLNHFSORYAKVFLFSNFSF 741

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Job time : 24 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 28, 2004, 14:33:15 ; Search time 50 Seconds  
(without alignments)  
5182.042 Million cell updates/sec

Title: US-09-434-382-2

Perfect score: 4325

Sequence: 1 MWALCSLLRSAAAGRTMSQGR.....EPQKRAHTBEPQAKVRAQ 826

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1291235 seqs, 313682936 residues

Total number of hits satisfying chosen parameters: 1291235

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

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2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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2	4325	100.0	826	10	US-09-988-687-2
3	4325	100.0	826	10	US-09-988-686-2
4	4283	99.0	826	10	US-09-988-626-224
5	4283	99.0	826	10	US-09-988-687-224
6	4283	99.0	826	10	US-09-988-686-224
7	4261	98.5	826	10	US-09-988-626-226
8	4261	98.5	826	10	US-09-988-687-226
9	4261	98.5	826	10	US-09-988-686-226
10	4189.5	96.9	807	15	US-10-108-260A-2725
11	3473.5	80.3	822	10	US-09-988-626-222
12	3473.5	80.3	822	10	US-09-988-687-222
13	3473.5	80.3	822	10	US-09-988-686-222
14	875.5	20.2	837	10	US-09-988-626-228
15	875.5	20.2	837	10	US-09-988-687-228

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16 875.5 20.2 837 10 US-09-988-686-228 Sequence 228, App
17 760 17.6 844 10 US-09-988-626-227 Sequence 227, App
18 760 17.6 844 10 US-09-988-687-227 Sequence 227, App
19 760 17.6 844 10 US-09-988-686-227 Sequence 227, App
20 702 16.2 616 12 US-10-425-114-71464 Sequence 71464, A
21 672 15.5 922 14 US-10-128-714-8524 Sequence 8524, A
22 613 14.2 949 14 US-10-128-714-8524 Sequence 8524, A
23 599.5 13.9 838 10 US-09-988-626-229 Sequence 229, App
24 599.5 13.9 838 10 US-09-988-687-229 Sequence 229, App
25 599.5 13.9 838 10 US-09-988-686-229 Sequence 229, App
26 470.5 10.9 808 14 US-10-032-585-7388 Sequence 7388, App
27 428 9.9 947 16 US-10-437-963-178527 Sequence 178527,
28 420 9.7 81 10 US-09-988-626-211 Sequence 211, App
29 420 9.7 81 10 US-09-988-687-211 Sequence 211, App
30 420 9.7 81 10 US-09-988-686-211 Sequence 211, App
31 285 6.6 134 12 US-10-424-598-233965 Sequence 233965,
32 281 6.5 307 10 US-09-988-626-232 Sequence 232, App
33 281 6.5 307 10 US-09-988-687-232 Sequence 232, App
34 281 6.5 307 10 US-09-988-686-232 Sequence 232, App
35 278 6.4 73 10 US-09-988-626-213 Sequence 213, App
36 278 6.4 73 10 US-09-988-687-213 Sequence 213, App
37 278 6.4 73 10 US-09-988-686-213 Sequence 213, App
38 275 6.4 311 10 US-09-988-626-230 Sequence 230, App
39 275 6.4 311 10 US-09-988-687-230 Sequence 230, App
40 275 6.4 311 10 US-09-988-686-230 Sequence 230, App
41 275 6.4 311 14 US-10-190-279-20 Sequence 20, Appl
42 245.5 5.7 363 10 US-09-988-626-220 Sequence 220, App
43 245.5 5.7 363 10 US-09-988-687-220 Sequence 220, App
44 245.5 5.7 363 10 US-09-988-686-220 Sequence 220, App
45 243.5 5.6 326 10 US-09-988-626-231 Sequence 231, App
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#### ALIGNMENTS

#### RESULT 1

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US-09-988-626-2
; Sequence 2, Application US/09988625
; Publication No. US20030044959A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,626
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 2
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-988-626-2
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Query Match 100.0%; Score 4325; DB 10; Length 826;
Best Local Similarity 100.0%; Fred. No. 0;
Matches 826; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 MWALCSLLRSAAAGRTMSQGRITISQAPARRPRKDPRLHLRTREKGPSCSGPNTVYL 60
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Db 1 MWALCSLLRSAAAGRTMSQGRITISQAPARRPRKDPRLHLRTREKGPSCSGPNTVYL 60
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QY 61 QVVAAGSRGSGAALYVFSEFNRYLFCNGGQVQRLMQEHLKVARLDNIFLTRMHSNVGG 120
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Db 1 QVVAAGSRDGAALYVFSFNRYLFCNGEGVQRLMOEHLKVARLDNIPLTRMHSNVGG 120
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Db 121 LSGMILTLETGLPKCVLSPQLEKYLEAIKIFSGPLKGIELAVRPHSAPEYEDTMTV 180
QY 181 YQPIHSEORRGKHQWQSPERPLSLSPERSDSESNENEPHLPHGVSRQGVDSISV 240
Db 181 YQPIHSEORRGKHQWQSPERPLSLSPERSDSESNENEPHLPHGVSRQGVDSISV 240
QY 241 VAFICKLHLKRGFLVVKAKEMGLPVGTAAIPIIAAVKDGKSIITHEGREILAEELCTPP 300
Db 241 VAFICKLHLKRGFLVVKAKEMGLPVGTAAIPIIAAVKDGKSIITHEGREILAEELCTPP 300
QY 301 DPGAAAVVVECPDESFIQICENATFORQYOGKADAPVALVHMAPASVLVDSRYOQWMER 360
Db 301 DPGAAAVVVECPDESFIQICENATFORQYOGKADAPVALVHMAPASVLVDSRYOQWMER 360
QY 361 FGPDTCHLVNENCASVHNLRSKHIQTQLNLHPDIIFPLLTFRCKKEGPTLSVPMVOGE 420
Db 361 FGPDTCHLVNENCASVHNLRSKHIQTQLNLHPDIIFPLLTFRCKKEGPTLSVPMVOGE 420
QY 421 CLKYQLRPRREWQDAILTCNPEEFIVEALQIPNFQOQVQYRRAQDGPAPAEKRSQY 480
Db 421 CLKYQLRPRREWQDAILTCNPEEFIVEALQIPNFQOQVQYRRAQDGPAPAEKRSQY 480
QY 481 PEIIFLGTSATIPMKIRNVSATLVNISPDTSLLDCGEGTFGOLCRHYGDQVDRVLGTLA 540
Db 481 PEIIFLGTSATIPMKIRNVSATLVNISPDTSLLDCGEGTFGOLCRHYGDQVDRVLGTLA 540
QY 541 AVFVSHLHADHTGLPSILLQERALASLGKPLHPLLVVAPNQLKAWLQOYHNCQEVILH 600
Db 541 AVFVSHLHADHTGLPSILLQERALASLGKPLHPLLVVAPNQLKAWLQOYHNCQEVILH 600
QY 601 HISMIPAKCLOEGAEISSPAVERLISLLRTCDLEEFQTLVRHCKHAFGCALVHTSGWK 660
Db 601 HISMIPAKCLOEGAEISSPAVERLISLLRTCDLEEFQTLVRHCKHAFGCALVHTSGWK 660
QY 661 VVYSGDTPCEALVRMGKDATLLIHEATLEDGLEEEAVEKTHSTTSQAISVGMWNAEFI 720
Db 661 VVYSGDTPCEALVRMGKDATLLIHEATLEDGLEEEAVEKTHSTTSQAISVGMWNAEFI 720
QY 721 MLNHFORSYAKVPLFSPNFSEKVGAFDHMKVCFGDFPTMPKLIPLKALFAGDIEEMEE 780
Db 721 MLNHFORSYAKVPLFSPNFSEKVGAFDHMKVCFGDFPTMPKLIPLKALFAGDIEEMEE 780
QY 781 RREKRELROVRAALLSRELAGGLEDGEPOQKRAHTEEPQAKKVRQA 826
Db 781 RREKRELROVRAALLSRELAGGLEDGEPOQKRAHTEEPQAKKVRQA 826

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RESULT 2

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; US-09-988-687-2
; Sequence 2, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
; FILE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05

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; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-988-687-2

```

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Query Match 100.0%; Score 4325; DB 10; Length 826;
Best Local Similarity 100.0%; Pred No. 0;
Matches 826; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MWALCSLLRSAAQRTWSQRTISQAPARRERPKDPLRLHRTREKRGPGSCGSPNTVYL 60
Db 1 MWALCSLLRSAAQRTWSQRTISQAPARRERPKDPLRLHRTREKRGPGSCGSPNTVYL 60
QY 61 QVVAAGSRDGAALYVFSFNRYLFCNGEGVQRLMOEHLKVARLDNIPLTRMHSNVGG 120
Db 61 QVVAAGSRDGAALYVFSFNRYLFCNGEGVQRLMOEHLKVARLDNIPLTRMHSNVGG 120
QY 121 LSGMILTLETGLPKCVLSPQLEKYLEAIKIFSGPLKGIELAVRPHSAPEYEDTMTV 180
Db 121 LSGMILTLETGLPKCVLSPQLEKYLEAIKIFSGPLKGIELAVRPHSAPEYEDTMTV 180
QY 181 YQPIHSEORRGKHQWQSPERPLSLSPERSDSESNENEPHLPHGVSRQGVDSISV 240
Db 181 YQPIHSEORRGKHQWQSPERPLSLSPERSDSESNENEPHLPHGVSRQGVDSISV 240
QY 241 VAFICKLHLKRGFLVVKAKEMGLPVGTAAIPIIAAVKDGKSIITHEGREILAEELCTPP 300
Db 241 VAFICKLHLKRGFLVVKAKEMGLPVGTAAIPIIAAVKDGKSIITHEGREILAEELCTPP 300
QY 301 DPGAAAVVVECPDESFIQICENATFORQYOGKADAPVALVHMAPASVLVDSRYOQWMER 360
Db 301 DPGAAAVVVECPDESFIQICENATFORQYOGKADAPVALVHMAPASVLVDSRYOQWMER 360
QY 361 FGPDTCHLVNENCASVHNLRSKHIQTQLNLHPDIIFPLLTFRCKKEGPTLSVPMVOGE 420
Db 361 FGPDTCHLVNENCASVHNLRSKHIQTQLNLHPDIIFPLLTFRCKKEGPTLSVPMVOGE 420
QY 421 CLKYQLRPRREWQDAILTCNPEEFIVEALQIPNFQOQVQYRRAQDGPAPAEKRSQY 480
Db 421 CLKYQLRPRREWQDAILTCNPEEFIVEALQIPNFQOQVQYRRAQDGPAPAEKRSQY 480
QY 481 PEIIFLGTSATIPMKIRNVSATLVNISPDTSLLDCGEGTFGOLCRHYGDQVDRVLGTLA 540
Db 481 PEIIFLGTSATIPMKIRNVSATLVNISPDTSLLDCGEGTFGOLCRHYGDQVDRVLGTLA 540
QY 541 AVFVSHLHADHTGLPSILLQERALASLGKPLHPLLVVAPNQLKAWLQOYHNCQEVILH 600
Db 541 AVFVSHLHADHTGLPSILLQERALASLGKPLHPLLVVAPNQLKAWLQOYHNCQEVILH 600
QY 601 HISMIPAKCLOEGAEISSPAVERLISLLRTCDLEEFQTLVRHCKHAFGCALVHTSGWK 660
Db 601 HISMIPAKCLOEGAEISSPAVERLISLLRTCDLEEFQTLVRHCKHAFGCALVHTSGWK 660
QY 661 VVYSGDTPCEALVRMGKDATLLIHEATLEDGLEEEAVEKTHSTTSQAISVGMWNAEFI 720
Db 661 VVYSGDTPCEALVRMGKDATLLIHEATLEDGLEEEAVEKTHSTTSQAISVGMWNAEFI 720
QY 721 MLNHFORSYAKVPLFSPNFSEKVGAFDHMKVCFGDFPTMPKLIPLKALFAGDIEEMEE 780
Db 721 MLNHFORSYAKVPLFSPNFSEKVGAFDHMKVCFGDFPTMPKLIPLKALFAGDIEEMEE 780
QY 781 RREKRELROVRAALLSRELAGGLEDGEPOQKRAHTEEPQAKKVRQA 826
Db 781 RREKRELROVRAALLSRELAGGLEDGEPOQKRAHTEEPQAKKVRQA 826

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RESULT 3

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US-09-988-686-2
; Sequence 2, Application US/09988686
; Publication No. US20030120052A1

```

GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,686  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 826  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-988-686-2

Query Match 100.0%; Score 4325; DB 10; Length 826;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 826; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MWALCSLLRSAAAGRTMSQGRITISQAPARRPRKDPRLHRLTRKRGPSGCGGNTVYL 60  
DB 1 MWALCSLLRSAAAGRTMSQGRITISQAPARRPRKDPRLHRLTRKRGPSGCGGNTVYL 60

QY 61 QVVAAGSDSGAALYVFSEFNRYLFCNGEGVQRLMOEHKLVARLDNIFLTRMHSNVGG 120  
DB 61 QVVAAGSDSGAALYVFSEFNRYLFCNGEGVQRLMOEHKLVARLDNIFLTRMHSNVGG 120

QY 121 LSGMILTLETGLPKCVLSGPPQLEKYLEAIFSGPLKGLIELAVRPHSAPEYEDMTV 180  
DB 121 LSGMILTLETGLPKCVLSGPPQLEKYLEAIFSGPLKGLIELAVRPHSAPEYEDMTV 180

QY 181 YQIPHSEQRGKHQWQSPERPLSRSPSSSDSENENEPHLPBGVSQRRGVRDSSLV 240  
DB 181 YQIPHSEQRGKHQWQSPERPLSRSPSSSDSENENEPHLPBGVSQRRGVRDSSLV 240

QY 241 VAFICKLHLKRGNFVLKAKEMGLPVGTAAIPIAAVKDGKSIHGREILAEELCTPP 300  
DB 241 VAFICKLHLKRGNFVLKAKEMGLPVGTAAIPIAAVKDGKSIHGREILAEELCTPP 300

QY 301 DPGAAFFVVVECPDESFIQPI CENATFORQYQKADAPVALVVMAPASVLDVSRVQWMER 360  
DB 301 DPGAAFFVVVECPDESFIQPI CENATFORQYQKADAPVALVVMAPASVLDVSRVQWMER 360

QY 361 FGPDTQHLVLNENCASVHNLRSKIQTLNLIHPDIFPLLTSFRCKEGPTLSVPMVQGE 420  
DB 361 FGPDTQHLVLNENCASVHNLRSKIQTLNLIHPDIFPLLTSFRCKEGPTLSVPMVQGE 420

QY 421 CLKTKQLRPRRQWDAITTCNPEEFIVEALQPNFQSVQYRASAQDPAPAEKRSQY 480  
DB 421 CLKTKQLRPRRQWDAITTCNPEEFIVEALQPNFQSVQYRASAQDPAPAEKRSQY 480

QY 481 PEIIFLGTGSAIPMKIRNVSAFLVNI SPDTSLLLDCGGTGRGQLCRHYGDQVDRVLGTLA 540  
DB 481 PEIIFLGTGSAIPMKIRNVSAFLVNI SPDTSLLLDCGGTGRGQLCRHYGDQVDRVLGTLA 540

QY 541 AVFVSHLADHHTGTPSILLQERALASLKGKPLHLLVAPNOLKAWLQQYHNCQCEVLH 600  
DB 541 AVFVSHLADHHTGTPSILLQERALASLKGKPLHLLVAPNOLKAWLQQYHNCQCEVLH 600

QY 601 HISMTPAKLQSGAEISSPAVERLLISSLLRTCDLBEFQTLVRHCKHAFGCMVHTSGWK 660  
DB 601 HISMTPAKLQSGAEISSPAVERLLISSLLRTCDLBEFQTLVRHCKHAFGCMVHTSGWK 660

QY 661 VVYSGDTMPCEALVRMGKDATLLIHEATLEDGLEBEEAVEKTHSTTSQAISVGMNNAEFI 720  
DB 661 VVYSGDTMPCEALVRMGKDATLLIHEATLEDGLEBEEAVEKTHSTTSQAISVGMNNAEFI 720

QY 721 MLNHFQRYAKYVPLFSPNFSEKVGVAFDHMKVCFGDFPTMPKLIPLKALFAGDIEEMBE 780  
DB 721 MLNHFQRYAKYVPLFSPNFSEKVGVAFDHMKVCFGDFPTMPKLIPLKALFAGDIEEMBE 780

QY 781 REKRELQVRAALLSRELAGGLEGEPOQKRAHTEEPQAKKVRQA 826  
DB 781 REKRELQVRAALLSRELAGGLEGEPOQKRAHTEEPQAKKVRQA 826

RESULT 4  
US-09-988-626-224  
; Sequence 224; Application US/09988626  
; Publication No. US20030044959A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,626  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 224  
; LENGTH: 826  
; TYPE: PRT  
; ORGANISM: Pan troglodytes  
US-09-988-626-224

Query Match 99.0%; Score 4283; DB 10; Length 826;  
Best Local Similarity 98.9%; Pred. No. 0;  
Matches 817; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

QY 1 MWALCSLLRSAAAGRTMSQGRITISQAPARRPRKDPRLHRLTRKRGPSGCGGNTVYL 60  
DB 1 MWALCSLLRSAAAGRTMSQGRITISQAPARRPRKDPRLHRLTRKRGPSGCGGNTVYL 60

QY 61 QVVAAGSDSGAALYVFSEFNRYLFCNGEGVQRLMOEHKLVARLDNIFLTRMHSNVGG 120  
DB 61 QVVAAGSDSGAALYVFSEFNRYLFCNGEGVQRLMOEHKLVARLDNIFLTRMHSNVGG 120

QY 121 LSGMILTLETGLPKCVLSGPPQLEKYLEAIFSGPLKGLIELAVRPHSAPEYEDMTV 180  
DB 121 LSGMILTLETGLPKCVLSGPPQLEKYLEAIFSGPLKGLIELAVRPHSAPEYEDMTV 180

QY 181 YQIPHSEQRGKHQWQSPERPLSRSPSSSDSENENEPHLPBGVSQRRGVRDSSLV 240  
DB 181 YQIPHSEQRGKHQWQSPERPLSRSPSSSDSENENEPHLPBGVSQRRGVRDSSLV 240

QY 241 VAFICKLHLKRGNFVLKAKEMGLPVGTAAIPIAAVKDGKSIHGREILAEELCTPP 300  
DB 241 VAFICKLHLKRGNFVLKAKEMGLPVGTAAIPIAAVKDGKSIHGREILAEELCTPP 300

QY 301 DPGAAFFVVVECPDESFIQPI CENATFORQYQKADAPVALVVMAPASVLDVSRVQWMER 360  
DB 301 DPGAAFFVVVECPDESFIQPI CENATFORQYQKADAPVALVVMAPASVLDVSRVQWMER 360

QY 361 FGPDTQHLVLNENCASVHNLRSKIQTLNLIHPDIFPLLTSFRCKEGPTLSVPMVQGE 420  
DB 361 FGPDTQHLVLNENCASVHNLRSKIQTLNLIHPDIFPLLTSFRCKEGPTLSVPMVQGE 420

QY 421 CLLKYQLRPRREWORDAIITCNPEEFIVKALQLPNFQSVQVYRRAQDGPAPAKRSQY 480  
DB 421 CLLKYQLRPRREWORDAIITCNPEEFIVKALQLPNFQSVQVYRRAQDGPAPAKRSQY 480  
QY 481 PEIIFLTGSAIPMKIRNVSATLVNISPDTSLLDCGEGTFOQLCRHYGQDVRVLGTILA 540  
DB 481 PEIIFLTGSAIPMKIRNVSATLVNISPDTSLLDCGEGTFOQLCRHYGQDVRVLGTILA 540  
QY 541 AVFVSHLHADHTGLPSILLQRRALASLGKPLHLLVAPNQLKAWLQOYHNCQEVILH 600  
DB 541 AVFVSHLHADHTGLPSILLQRRALASLGKPLHLLVAPNQLKAWLQOYHNCQEVILH 600  
QY 601 HISMIIPAKLQEGAEISSPAVERLISLLRTCDLEEFQTCVLRHCKHAFGCALVHTSGWK 660  
DB 601 HISMIIPAKLQEGAEISSPAVERLISLLRTCDLEEFQTCVLRHCKHAFGCALVHTSGWK 660  
QY 661 VYSGDTMPCEALVRMGKDATLLIHEATLEDGLEEAEVETKSTTSQAISVGMWNAEPI 720  
DB 661 VYSGDTMPCEALVRMGKDATLLIHEATLEDGLEEAEVETKSTTSQAISVGMWNAEPI 720  
QY 721 MLNHFQRYAKVPLFSPNFSEKVGAFDMKVCFGDFTMPKLIPLKALFAGDIEEMEE 780  
DB 721 MLNHFQRYAKVPLFSPNFSEKVGAFDMKVCFGDFTMPKLIPLKALFAGDIEEMEE 780  
QY 781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQA 826  
DB 781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQA 826

RESULT 5  
US-09-988-687-224  
; Sequence 224, Application US/09988687  
; Publication No. US20030045704A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR FILING DATE: 2000-05-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: Patent in Ver. 2.0  
; SEQ ID NO 224  
; LENGTH: 826  
; TYPE: PRT  
; ORGANISM: Pan troglodytes  
US-09-988-687-224

Query Match 99.0%; Score 4283; DB 10; Length 826;  
Best Local Similarity 98.9%; Pred. No. 0;  
Matches 817; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

QY 1 MWALCSLRSAGRTMSQRTISQAPARRPRKDPRLHRLTREKRGPSGSGGNTVYL 60  
DB 1 MWALCSLRSAGRTMSQRTISQAPARRPRKDPRLHRLTREKRGPSGSGGNTVYL 60  
QY 61 QVVAAGSDSNAALYVSEFFNYLNCGEGVQRLMOEHLKVARLDNIFLTRMWSNVGG 120  
DB 61 QVVAAGSDSNAALYVSEFFNYLNCGEGVQRLMOEHLKVARLDNIFLTRMWSNVGG 120  
QY 121 LSGMILTILKETGLPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPEYEDETMTV 180

DB 121 LSGMILTILKETGLPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPEYEDETMTV 180  
QY 181 YQIPHSEQRGKHQPMQSPERPLSRLSPESSSDSENENEPHLPKGVSORRGVRDSSLV 240  
DB 181 YQIPHSEQRGKHQPMQSPERPLSRLSPESSSDSENENEPHLPKGVSORRGVRDSSLV 240  
QY 241 VAFICKLHLKRGFLVLKAKEMGLPVGTAAIAPIIAAVKDGKSIITHEGREILAEELCTPP 300  
DB 241 VAFICKLHLKRGFLVLKAKEMGLPVGTAAIAPIIAAVKDGKSIITHEGREILAEELCTPP 300  
QY 301 DPGNAFVVVCEPDESFTQPIICENATFORQYCKKADAPVALVWHPAPASVLVDSYQOMMER 360  
DB 301 DPGNAFVVVCEPDESFTQPIICENATFORQYCKKADAPVALVWHPAPASVLVDSYQOMMER 360  
QY 361 FGPDTQHLVLNENCASVHNLRSKHIQTQNLNLIHPDIFFLLTSPCKKEGFTLSVPVQGE 420  
DB 361 FGPDTQHLVLNENCASVHNLRSKHIQTQNLNLIHPDIFFLLTSPCKKEGFTLSVPVQGE 420  
QY 421 CLLKYQLRPRREWORDAIITCNPEEFIVKALQLPNFQSVQVYRRAQDGPAPAKRSQY 480  
DB 421 CLLKYQLRPRREWORDAIITCNPEEFIVKALQLPNFQSVQVYRRAQDGPAPAKRSQY 480  
QY 481 PEIIFLTGSAIPMKIRNVSATLVNISPDTSLLDCGEGTFOQLCRHYGQDVRVLGTILA 540  
DB 481 PEIIFLTGSAIPMKIRNVSATLVNISPDTSLLDCGEGTFOQLCRHYGQDVRVLGTILA 540  
QY 541 AVFVSHLHADHTGLPSILLQRRALASLGKPLHLLVAPNQLKAWLQOYHNCQEVILH 600  
DB 541 AVFVSHLHADHTGLPSILLQRRALASLGKPLHLLVAPNQLKAWLQOYHNCQEVILH 600  
QY 601 HISMIIPAKLQEGAEISSPAVERLISLLRTCDLEEFQTCVLRHCKHAFGCALVHTSGWK 660  
DB 601 HISMIIPAKLQEGAEISSPAVERLISLLRTCDLEEFQTCVLRHCKHAFGCALVHTSGWK 660  
QY 661 VYSGDTMPCEALVRMGKDATLLIHEATLEDGLEEAEVETKSTTSQAISVGMWNAEPI 720  
DB 661 VYSGDTMPCEALVRMGKDATLLIHEATLEDGLEEAEVETKSTTSQAISVGMWNAEPI 720  
QY 721 MLNHFQRYAKVPLFSPNFSEKVGAFDMKVCFGDFTMPKLIPLKALFAGDIEEMEE 780  
DB 721 MLNHFQRYAKVPLFSPNFSEKVGAFDMKVCFGDFTMPKLIPLKALFAGDIEEMEE 780  
QY 781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQA 826  
DB 781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQA 826

RESULT 6  
US-09-988-686-224  
; Sequence 224, Application US/09988686  
; Publication No. US20030120052A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR FILING DATE: 2000-05-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: Patent in Ver. 2.0  
; SEQ ID NO 224  
; LENGTH: 826  
; TYPE: PRT



; ORGANISM: Pan troglodytes  
US-09-988-686-224

Query Match 99.0%; Score 4283; DB 10; Length 826;  
Best Local Similarity 98.9%; Pred. No. 0;  
Matches 814; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

Qy 1 MWALCSLLRSAAAGRTMSQGRITISQAPARRERPKDPLRLHRTREKRGPSGCGGPNVTYL 60  
Db 1 MWALCSLLRSAAAGRTMSQGRITISQAPARRERPKDPLRLHRTREKRGPSGCGGPNVTYL 60

Qy 61 QVVAAGSDSAAALYVFSEFNRYLFCGEGVQRLMOEHKLVARLDNIFLTRMHSNVGG 120  
Db 61 QVVAAGSDSAAALYVFSEFNRYLFCGEGVQRLMOEHKLVARLDNIFLTRMHSNVGG 120

Qy 121 LSGMILTLETGPKCVLSGPPQLEKYLEAIIKIFSGPLKGLIELAVRPHSAPEYDEMTV 180  
Db 121 LSGMILTLETGPKCVLSGPPQLEKYLEAIIKIFSGPLKGLIELAVRPHSAPEYDEMTV 180

Qy 181 YQPIHSEQRGKHQWQSPERPLSLSPSSSDSESNENEPHLPHGVSRGVRDSSLV 240  
Db 181 YQPIHSEQRGKHQWQSPERPLSLSPSSSDSESNENEPHLPHGVSRGVRDSSLV 240

Qy 241 VAFICKLHLKRGNFVLKAKEMGLPVGTAAIPIIAAVKDGKSIHTEGREILABELCTPP 300  
Db 241 VAFICKLHLKRGNFVLKAKEMGLPVGTAAIPIIAAVKDGKSIHTEGREILABELCTPP 300

Qy 301 DPGAAFVVECPDESFIQPIENATFORYQKADAPVALVHMVAPASVLDVSRVQWNER 360  
Db 301 DPGAAFVVECPDESFIQPIENATFORYQKADAPVALVHMVAPASVLDVSRVQWNER 360

Qy 361 FGPDTHLVNENCASVHNLRSKIIQTLNLIHPDIIFPLLTSPCKKEGPTLSVPMVOGE 420  
Db 361 FGPDTHLVNENCASVHNLRSKIIQTLNLIHPDIIFPLLTSPCKKEGPTLSVPMVOGE 420

Qy 421 CLLYQLRPRREWQDAILITCNPEEFIVEALQLPNFQSVQVEYRASAQDGPAPEKRSQY 480  
Db 421 CLLYQLRPRREWQDAILITCNPEEFIVEALQLPNFQSVQVEYRASAQDGPAPEKRSQY 480

Qy 481 PEIIFLGTSALPMKIRNVSAITLVNISPDTSLLDGEGTFQGLCRHVGQDQVRLGTLA 540  
Db 481 PEIIFLGTSALPMKIRNVSAITLVNISPDTSLLDGEGTFQGLCRHVGQDQVRLGTLA 540

Qy 541 AVFVSHLHADHTGLPSILQORERASLGKPLHPLLVAPNQLKAMQQHNCQOEVLH 600  
Db 541 AVFVSHLHADHTGLPSILQORERASLGKPLHPLLVAPNQLKAMQQHNCQOEVLH 600

Qy 601 HISMPAKCLOEGAEISSPAVERLISSLLRTCDLEEFQTLVRCKHAFGCALVHTSGWK 660  
Db 601 HISMPAKCLOEGAEISSPAVERLISSLLRTCDLEEFQTLVRCKHAFGCALVHTSGWK 660

Qy 661 VVYSGDTMPCALVRMGKDATLLIHEATLEDGLEEAEVEKTHSTTSQAISVGMNNAEFI 720  
Db 661 VVYSGDTMPCALVRMGKDATLLIHEATLEDGLEEAEVEKTHSTTSQAISVGMNNAEFI 720

Qy 721 MLNHFQRYAKVPLFSPNFSEKVGAFDPMKVCFGDFTMPKLIPLKALFAGDIEEMEE 780  
Db 721 MLNHFQRYAKVPLFSPNFSEKVGAFDPMKVCFGDFTMPKLIPLKALFAGDIEEMEE 780

; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,626  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 226  
; LENGTH: 826  
; TYPE: PRT  
; ORGANISM: Gorilla gorilla  
US-09-988-626-226

Query Match 98.5%; Score 4261; DB 10; Length 826;  
Best Local Similarity 98.5%; Pred. No. 0;  
Matches 814; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

Qy 1 MWALCSLLRSAAAGRTMSQGRITISQAPARRERPKDPLRLHRTREKRGPSGCGGPNVTYL 60  
Db 1 MWALCSLLRSAAAGRTMSQGRITISQAPARRERPKDPLRLHRTREKRGPSGCGGPNVTYL 60

Qy 61 QVVAAGSDSAAALYVFSEFNRYLFCGEGVQRLMOEHKLVARLDNIFLTRMHSNVGG 120  
Db 61 QVVAAGSDSAAALYVFSEFNRYLFCGEGVQRLMOEHKLVARLDNIFLTRMHSNVGG 120

Qy 121 LSGMILTLETGPKCVLSGPPQLEKYLEAIIKIFSGPLKGLIELAVRPHSAPEYDEMTV 180  
Db 121 LSGMILTLETGPKCVLSGPPQLEKYLEAIIKIFSGPLKGLIELAVRPHSAPEYDEMTV 180

Qy 181 YQPIHSEQRGKHQWQSPERPLSLSPSSSDSESNENEPHLPHGVSRGVRDSSLV 240  
Db 181 YQPIHSEQRGKHQWQSPERPLSLSPSSSDSESNENEPHLPHGVSRGVRDSSLV 240

Qy 241 VAFICKLHLKRGNFVLKAKEMGLPVGTAAIPIIAAVKDGKSIHTEGREILABELCTPP 300  
Db 241 VAFICKLHLKRGNFVLKAKEMGLPVGTAAIPIIAAVKDGKSIHTEGREILABELCTPP 300

Qy 301 DPGAAFVVECPDESFIQPIENATFORYQKADAPVALVHMVAPASVLDVSRVQWNER 360  
Db 301 DPGAAFVVECPDESFIQPIENATFORYQKADAPVALVHMVAPASVLDVSRVQWNER 360

Qy 361 FGPDTHLVNENCASVHNLRSKIIQTLNLIHPDIIFPLLTSPCKKEGPTLSVPMVOGE 420  
Db 361 FGPDTHLVNENCASVHNLRSKIIQTLNLIHPDIIFPLLTSPCKKEGPTLSVPMVOGE 420

Qy 421 CLLYQLRPRREWQDAILITCNPEEFIVEALQLPNFQSVQVEYRASAQDGPAPEKRSQY 480  
Db 421 CLLYQLRPRREWQDAILITCNPEEFIVEALQLPNFQSVQVEYRASAQDGPAPEKRSQY 480

Qy 481 PEIIFLGTSALPMKIRNVSAITLVNISPDTSLLDGEGTFQGLCRHVGQDQVRLGTLA 540  
Db 481 PEIIFLGTSALPMKIRNVSAITLVNISPDTSLLDGEGTFQGLCRHVGQDQVRLGTLA 540

Qy 541 AVFVSHLHADHTGLPSILQORERASLGKPLHPLLVAPNQLKAMQQHNCQOEVLH 600  
Db 541 AVFVSHLHADHTGLPSILQORERASLGKPLHPLLVAPNQLKAMQQHNCQOEVLH 600

Qy 601 HISMPAKCLOEGAEISSPAVERLISSLLRTCDLEEFQTLVRCKHAFGCALVHTSGWK 660  
Db 601 HISMPAKCLOEGAEISSPAVERLISSLLRTCDLEEFQTLVRCKHAFGCALVHTSGWK 660

Qy 661 VVYSGDTMPCALVRMGKDATLLIHEATLEDGLEEAEVEKTHSTTSQAISVGMNNAEFI 720  
Db 661 VVYSGDTMPCALVRMGKDATLLIHEATLEDGLEEAEVEKTHSTTSQAISVGMNNAEFI 720

Qy 721 MLNHFQRYAKVPLFSPNFSEKVGAFDPMKVCFGDFTMPKLIPLKALFAGDIEEMEE 780  
Db 721 MLNHFQRYAKVPLFSPNFSEKVGAFDPMKVCFGDFTMPKLIPLKALFAGDIEEMEE 780

RESULT 7  
US-09-988-626-226  
; Sequence 226, Application US/09988626  
; Publication No. US20030044959A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavrigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.

Db 721 MLNHSORYAKVPLFSPNFSEKVGAFDMKVCFGDPTMPKLIPLKALFAGDIEMEE 780  
QY 781 RREKREURQVRAALLSRELAGGLEDGEPQOKRAHTEEPQAKKVRQA 826  
Db 781 RREKREURQVRAALLSRELAGGLEDGEPQOKRAHTEEPQAKKVRQA 826  
RESULT 8  
US-09-988-687-226  
; Sequence 226, Application US/09988687  
; Publication No. US20030045704A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigan, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,687  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: Patent in Ver. 2.0  
; SEQ ID NO 226  
; LENGTH: 826  
; TYPE: PRT  
; ORGANISM: Gorilla gorilla  
US-09-988-687-226

Query Match 98.5%; Score 4261; DB 10; Length 826;  
Best Local Similarity 98.5%; Pred. No. 0;  
Matches 814; Conservative 5; Mismatches 7; Indels 0; Gaps 0;  
QY 1 MWALCSLLRSAGRTMSQGRITISQAPARRERPKDPLHLRTREKRGSGCGGNTVYL 60  
Db 1 MWALCSLLRSAGRTMSQGRITISQAPARRERPKDPLHLRTREKRGSGCGGNTVYL 60  
QY 61 QVVAAGSRDGAALYVFSEFNRYLFCGEGVQRLMQEHLKVARLDNIFLTRMHSNVC 120  
Db 61 QVVAAGSRDGAALYVFSEFNRYLFCGEGVQRLMQEHLKVARLDNIFLTRMHSNVC 120  
QY 121 LSGMILTLETGLPKCVLSGPPQLEKYLEAIKIFSGPLKGLIELAVRPHSAPEYEDTMTV 180  
Db 121 LSGMILTLETGLPKCVLSGPPQLEKYLEAIKIFSGPLKGLIELAVRPHSAPEYEDTMTV 180  
QY 181 YQIPIHSEQRGRKHQWQSPERPLSRSPSSDSSENEFPHLPHGVQSRGVRDSSLV 240  
Db 181 YQIPIHSEQRGRKHQWQSPERPLSRSPSSDSSENEFPHLPHGVQSRGVRDSSLV 240  
QY 241 VAFICKLHKGKGNFLVAKEMGLPVGTAATIAAVKDGKSIITHEGREILABELCTTP 300  
Db 241 VAFICKLHKGKGNFLVAKEMGLPVGTAATIAAVKDGKSIITHEGREILABELCTTP 300  
QY 301 DPGAAVVECPDESFIQIENATFQYQKADAPVALVTHMAPASVLDVSRYQOWMER 360  
Db 301 DPGAAVVECPDESFIQIENATFQYQKADAPVALVTHMAPASVLDVSRYQOWMER 360  
QY 361 FGPDTQHLVLNENCASVHNLRSKIQTLNLIHPDIPLLTSPFCKEGPTLSVPMVQGE 420  
Db 361 FGPDTQHLVLNENCASVHNLRSKIQTLNLIHPDIPLLTSPFCKEGPTLSVPMVQGE 420  
QY 421 CLLKYQLRPREWQDAILITCNPEEFIVFALQLNFOQSVQYRERSACDGPAPAEKRSQY 480  
Db 421 CLLKYQLRPREWQDAILITCNPEEFIVFALQLNFOQSVQYRERSACDGPAPAEKRSQY 480

QY 481 PEIIFLGTGSAIPMKIRNVSATLVNISPDTSLLLDCGEGTFGQLCRHYGQVQVDRVLGTLA 540  
Db 481 PEIIFLGTGSAIPMKIRNVSATLVNISPDTSLLLDCGEGTFGQLCRHYGQVQVDRVLGTLA 540  
QY 541 AVFVSHLHADHTGLPSILLQREALASLQKPLHPLLVAPNQLKAWLQOYHNQCOEVLH 600  
Db 541 AVFVSHLHADHTGLPSILLQREALASLQKPLHPLLVAPNQLKAWLQOYHNQCOEVLH 600  
QY 601 HISMIPAKCLQEGAEISSPAVERLISSLLRTCDLEEFQTCLEVRHCKHAFGALVHTSGWK 660  
Db 601 HISMIPAKCLQEGAEISSPAVERLISSLLRTCDLEEFQTCLEVRHCKHAFGALVHTSGWK 660  
QY 661 VVYSGDTMPCEALVRMGKDATLLIHEATLEDGLEEEAVEKTHSTTSQAISVGMNMAEFI 720  
Db 661 VVYSGDTMPCEALVRMGKDATLLIHEATLEDGLEEEAVEKTHSTTSQAISVGMNMAEFI 720  
QY 721 MLNHSORYAKVPLFSPNFSEKVGAFDMKVCFGDPTMPKLIPLKALFAGDIEMEE 780  
Db 721 MLNHSORYAKVPLFSPNFSEKVGAFDMKVCFGDPTMPKLIPLKALFAGDIEMEE 780  
QY 781 RREKREURQVRAALLSRELAGGLEDGEPQOKRAHTEEPQAKKVRQA 826  
Db 781 RREKREURQVRAALLSRELAGGLEDGEPQOKRAHTEEPQAKKVRQA 826

RESULT 9  
US-09-988-686-226  
; Sequence 226, Application US/09988686  
; Publication No. US20030120052A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigan, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,686  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: Patent in Ver. 2.0  
; SEQ ID NO 226  
; LENGTH: 826  
; TYPE: PRT  
; ORGANISM: Gorilla gorilla  
US-09-988-686-226

Query Match 98.5%; Score 4261; DB 10; Length 826;  
Best Local Similarity 98.5%; Pred. No. 0;  
Matches 814; Conservative 5; Mismatches 7; Indels 0; Gaps 0;  
QY 1 MWALCSLLRSAGRTMSQGRITISQAPARRERPKDPLHLRTREKRGSGCGGNTVYL 60  
Db 1 MWALCSLLRSAGRTMSQGRITISQAPARRERPKDPLHLRTREKRGSGCGGNTVYL 60  
QY 61 QVVAAGSRDGAALYVFSEFNRYLFCGEGVQRLMQEHLKVARLDNIFLTRMHSNVC 120  
Db 61 QVVAAGSRDGAALYVFSEFNRYLFCGEGVQRLMQEHLKVARLDNIFLTRMHSNVC 120  
QY 121 LSGMILTLETGLPKCVLSGPPQLEKYLEAIKIFSGPLKGLIELAVRPHSAPEYEDTMTV 180  
Db 121 LSGMILTLETGLPKCVLSGPPQLEKYLEAIKIFSGPLKGLIELAVRPHSAPEYEDTMTV 180  
QY 181 YQIPIHSEQRGRKHQWQSPERPLSRSPSSDSSENEFPHLPHGVQSRGVRDSSLV 240  
Db 181 YQIPIHSEQRGRKHQWQSPERPLSRSPSSDSSENEFPHLPHGVQSRGVRDSSLV 240

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QY 241 VAFICKLHLKRGNFVLKAKEMGLPVGTAAIPIIAAVKDGKSIHGREILAEELCTPP 300
DB 241 VAFICKLHLKRGNFVLKAKEMGLPVGTAAIPIIAAVKDGKSIHGREILAEELCTPP 300
QY 301 DPGAAFFVVECPDESFIQPIENATFORYQKADAPVALVVMAPASVLDVSRQOMMER 360
DB 301 DPGAAFFVVECPDESFIQPIENATFORYQKADAPVALVVMAPASVLDVSRQOMMER 360
QY 361 FGPDTHLVNENCAVHNLRSKIKIOTQNLNLIHPDIFPILLSPRCKEGFTLSVPMVQGE 420
DB 361 FGPDTHLVNENCAVHNLRSKIKIOTQNLNLIHPDIFPILLSPRCKEGFTLSVPMVQGE 420
QY 421 CLKYQLPRPREWORDAIITCNPEEFIVEALQLPNFQOSVOEYRRSAODGPAPAEKRSQY 480
DB 421 CLKYQLPRPREWORDAIITCNPEEFIVEALQLPNFQOSVOEYRRSAODGPAPAEKRSQY 480
QY 481 PIIIFLTGSAIPMKIRNVSATLVNISPDTSLLDDCGEGTGGQLCRHYGDQVDRVLGTLA 540
DB 481 PIIIFLTGSAIPMKIRNVSATLVNISPDTSLLDDCGEGTGGQLCRHYGDQVDRVLGTLA 540
QY 541 AVFVSHLHADHTGLPSILLQREARALASLGKPLHLLVAPNQLKAWLQQYHNCQOEVLH 600
DB 541 AVFVSHLHADHTGLPSILLQREARALASLGKPLHLLVAPNQLKAWLQQYHNCQOEVLH 600
QY 601 HISMPAKCLOGBAETSSPAVERLISSLLRTCDLEEFOTCLVRHCKHAFGALVHTSGWK 660
DB 601 HISMPAKCLOGBAETSSPAVERLISSLLRTCDLEEFOTCLVRHCKHAFGALVHTSGWK 660
QY 661 VVYSGDTPMPCALVRMGKDATLLIHEATLEDGLEEAVEKTHSTTSQAI SVGMNNAEFI 720
DB 661 VVYSGDTPMPCALVRMGKDATLLIHEATLEDGLEEAVEKTHSTTSQAI SVGMNNAEFI 720
QY 721 MLNHSQRYAKVPLFSPNFSEKVGVAFDHMKVCFGDFPTMPKLIPLKALFAGDIEEMEE 780
DB 721 MLNHSQRYAKVPLFSPNFSEKVGVAFDHMKVCFGDFPTMPKLIPLKALFAGDIEEMEE 780
QY 781 RREKRELQVRAALLSRELAGLEDGEPQOKRAHTEEPQAKKVRQAQ 826
DB 781 RREKRELQVRAALLSRELAGLEDGEPQOKRAHTEEPQAKKVRQAQ 826

RESULT 10
US-10-108-260A-2725
; Sequence 2725, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20040005560A1el full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2725
; LENGTH: 807
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-108-260A-2725

Query Match 96.9%; Score 4189.5; DB 15; Length 807;
Best Local Similarity 97.5%; Pred. No. 0;
Matches 805; Conservative 0; Mismatches 2; Indels 19; Gaps 1;

QY 1 MWALCSLLSAGRTWSQRTTISOAPARRERPKDPLRLHRTREKRGSGCGGNTVYL 60
DB 1 MWALCSLLSAGRTWSQRTTISOAPARRERPKDPLRLHRTREKRGSGCGGNTVYL 60
QY 61 QVVAAGSRDGAALYVFSEFNRLVFNCGEGVQRLMOEHKLKVARLDNIFLTMRHMSNVGG 120
DB 61 QVVAAGSRDGAALYVFSEFNRLVFNCGEGVQRLMOEHKLKVARLDNIFLTMRHMSNVGG 120
QY 121 LSGMILTLKETGLPKCVLSGPPQLEKYLEAIFSGPLKGLIELAVRPHSAPEYEDETMTV 180

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DB 102 LSGMILTLKETGLPKCVLSGPPQLEKYLEAIFSGPLKGLIELAVRPHSAPEYEDETMTV 161
QY 181 YQIPIHSEQRGKHQWQSPERPLSLSPERSDSESNENEPHLPHGVORRGRVRSLLV 240
DB 162 YQIPIHSEQRGKHQWQSPERPLSLSPERSDSESNENEPHLPHGVORRGRVRSLLV 221
QY 241 VAFICKLHLKRGNFVLKAKEMGLPVGTAAIPIIAAVKDGKSIHGREILAEELCTPP 300
DB 222 VAFICKLHLKRGNFVLKAKEMGLPVGTAAIPIIAAVKDGKSIHGREILAEELCTPP 281
QY 301 DPGAAFFVVECPDESFIQPIENATFORYQKADAPVALVVMAPASVLDVSRQOMMER 360
DB 282 DPGAAFFVVECPDESFIQPIENATFORYQKADAPVALVVMAPASVLDVSRQOMMER 341
QY 361 FGPDTHLVNENCAVHNLRSKIKIOTQNLNLIHPDIFPILLSPRCKEGFTLSVPMVQGE 420
DB 342 FGPDTHLVNENCAVHNLRSKIKIOTQNLNLIHPDIFPILLSPRCKEGFTLSVPMVQGE 401
QY 421 CLKYQLPRPREWORDAIITCNPEEFIVEALQLPNFQOSVOEYRRSAODGPAPAEKRSQY 480
DB 402 CLKYQLPRPREWORDAIITCNPEEFIVEALQLPNFQOSVOEYRRSAODGPAPAEKRSQY 461
QY 481 PIIIFLTGSAIPMKIRNVSATLVNISPDTSLLDDCGEGTGGQLCRHYGDQVDRVLGTLA 540
DB 462 PIIIFLTGSAIPMKIRNVSATLVNISPDTSLLDDCGEGTGGQLCRHYGDQVDRVLGTLA 521
QY 541 AVFVSHLHADHTGLPSILLQREARALASLGKPLHLLVAPNQLKAWLQQYHNCQOEVLH 600
DB 522 AVFVSHLHADHTGLPSILLQREARALASLGKPLHLLVAPNQLKAWLQQYHNCQOEVLH 581
QY 601 HISMPAKCLOGBAETSSPAVERLISSLLRTCDLEEFOTCLVRHCKHAFGALVHTSGWK 660
DB 582 HISMPAKCLOGBAETSSPAVERLISSLLRTCDLEEFOTCLVRHCKHAFGALVHTSGWK 641
QY 661 VVYSGDTPMPCALVRMGKDATLLIHEATLEDGLEEAVEKTHSTTSQAI SVGMNNAEFI 720
DB 642 VVYSGDTPMPCALVRMGKDATLLIHEATLEDGLEEAVEKTHSTTSQAI SVGMNNAEFI 701
QY 721 MLNHSQRYAKVPLFSPNFSEKVGVAFDHMKVCFGDFPTMPKLIPLKALFAGDIEEMEE 780
DB 702 MLNHSQRYAKVPLFSPNFSEKVGVAFDHMKVCFGDFPTMPKLIPLKALFAGDIEEMEE 761

RESULT 11
US-09-988-626-222
; Sequence 222, Application US/09988626
; Publication No. US20030044959A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,626
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 222
; LENGTH: 822

```

TYPE: PRT  
 ORGANISM: Mus musculus  
 US-09-988-626-222

Query Match 80.3%; Score 3473.5; DB 10; Length 822;

Best Local Similarity 80.5%; Pred. No. 0;  
 Matches 665; Conservative 66; Mismatches 76; Indels 19; Gaps 6;

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QY 1 MWALCSLLRGAAGRTWSQGRRTISQAPARRPRPKDPLRLHRTREKRGSGCGGNTVYL 60
DB 1 MWALCSLLRPLGLRTWSQ-----SARRPRPKDPLRLHRTREKRGPG--PGGNTVYL 52
QY 61 QVVAAGSRDGAALYVFSEBNRYLFCNGEGVQRLMOEHKLKVARLDNIFLTMRHNSVGG 120
DB 53 QVVAAGRDAGALYVFSEBNRYLFCNGEGVQRLMOEHKTESRLDNIFLTMRHNSVGG 112
QY 121 LSGMILTLETGTPKCVLGGPPOLEKYLEAIFSGPLKGIELAVRPHSAPEYDETMV 180
DB 113 LCGMILTLETGTPKCVLGGPPOLEKYLEAIFSGPLKGIELAVRPHSAPEYDETMV 172
QY 181 YQPIHSEORGRKHQWQSPERPLSLSPERSDSSENEPHLPHGVRSRGV-RDSSL 239
DB 173 YQPIHSEORGRKHQWQSPERPLSLSPERSDSSENEPHLPHGVRSRGV-RDSSL 226
QY 240 VVAFICKLHURGNFLVLKAKEMGLPVGTAAIAPIIAAVKDGKSIHTEGREILABELCTP 299
DB 227 VVAFICKLHURGNFLVLKAKEMGLPVGTAAIAPIIAAVKDGKSIHTEGREILABELCTP 286
QY 300 PDFGAFFVVECPDESFIQICENATFORQYQKADAPVALVHMAPASVLDVSRVQWME 359
DB 287 PDFGLVFIIVVECPDEGFILPICENDTFKRYQAEADAPVALVHMAPASVLDVSRVQWME 346
QY 360 RFQPDQHLVLNENCAVSNLRSHKIQTLNLIHPDIFPLLTSPRCKKEGPTLSVPMVQ 419
DB 347 RFQPDQHLVLNENCAVSNLRSHKIQTLNLIHPDIFPLLTSPRCKKEGPTLSVPMVQ 406
QY 420 ECLLYKQLPRREKQWQDAIITCNPEEFIVEALQLPNFQSQVQYRRAQDGPAPEKRSQ 479
DB 407 ECLLYKSVPRKREKQWQDAIITCNPEEFIVEALQLPNFQSQVQYRRAQDGPAPEKRSQ 466
QY 480 YPIHIFLGTGSAIPMKIRNVSTLNLSPDKSVLDCGEGTFQLCRYHGGQIDRVLCSL 539
DB 467 YPIHIFLGTGSAIPMKIRNVSTLNLSPDKSVLDCGEGTFQLCRYHGGQIDRVLCSL 526
QY 540 AAVFVSHLHADHTGLPSILLQREHALASLGKPFQPLLVVAPTQLRAWLQQYHNCQEIL 599
DB 527 AAVFVSHLHADHTGLPSILLQREHALASLGKPFQPLLVVAPTQLRAWLQQYHNCQEIL 586
QY 600 HHISMIPAKCLOEGABISSPAVERLISLRTCDLEEFQTCVLRCKHAFGALVHTSGW 659
DB 587 HHISMIPAKCLOEGABISSPAVERLISLRTCDLEEFQTCVLRCKHAFGALVHTSGW 646
QY 660 KVVYSGDTWPCALVQMGKDATLLIHEATLEDGLBEEAVEKTHSTTSQAISVGMENNAEF 719
DB 647 KVVYSGDTWPCALVQMGKDATLLIHEATLEDGLBEEAVEKTHSTTSQAISVGMENNAEF 706
QY 720 IMLNHSORVAKVPLSFNFSKVGVAEDHMKVCFGDEPTPKLIPPLKALFAGDIEEM 779
DB 707 IMLNHSORVAKVPLSFNFSKVGVAEDHMKVCFGDEPTPKLIPPLKALFAGDIEEM 766
QY 780 ERREKRELQVRAALLTQ-ADSPEDRFPQKRAHTEE---PQAKK 822
DB 767 ERREKRELQVRAALLTQ-ADSPEDRFPQKRAHTEE---PQAKK 811

```

RESULT 12

US-09-988-687-222

Sequence 222, Application US/09988687

Publication No. US20030045704A1

GENERAL INFORMATION:

APPLICANT: Tavtigian, Sean V.

APPLICANT: Teng, David H.F.

APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.  
 APPLICANT: Myriad Genetics, Inc.

TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

FILE REFERENCE: 2318-258

CURRENT APPLICATION NUMBER: US/09/988,687

CURRENT FILING DATE: 2001-11-20

PRIOR APPLICATION NUMBER: 09/564,805

PRIOR FILING DATE: 2000-05-05

PRIOR APPLICATION NUMBER: US 60/107,468

PRIOR FILING DATE: 1998-11-06

PRIOR APPLICATION NUMBER: 09/434,382

PRIOR FILING DATE: 1999-11-05

NUMBER OF SEQ ID NOS: 240

SOFTWARE: Patent In Ver. 2.0

SEQ ID NO 222

LENGTH: 822

TYPE: PRT

ORGANISM: Mus musculus

US-09-988-687-222

Query Match 80.3%; Score 3473.5; DB 10; Length 822;

Best Local Similarity 80.5%; Pred. No. 0;

Matches 665; Conservative 66; Mismatches 76; Indels 19; Gaps 6;

```

QY 1 MWALCSLLRGAAGRTWSQGRRTISQAPARRPRPKDPLRLHRTREKRGSGCGGNTVYL 60
DB 1 MWALCSLLRPLGLRTWSQ-----SARRPRPKDPLRLHRTREKRGPG--PGGNTVYL 52
QY 61 QVVAAGSRDGAALYVFSEBNRYLFCNGEGVQRLMOEHKLKVARLDNIFLTMRHNSVGG 120
DB 53 QVVAAGRDAGALYVFSEBNRYLFCNGEGVQRLMOEHKTESRLDNIFLTMRHNSVGG 112
QY 121 LSGMILTLETGTPKCVLGGPPOLEKYLEAIFSGPLKGIELAVRPHSAPEYDETMV 180
DB 113 LCGMILTLETGTPKCVLGGPPOLEKYLEAIFSGPLKGIELAVRPHSAPEYDETMV 172
QY 181 YQPIHSEORGRKHQWQSPERPLSLSPERSDSSENEPHLPHGVRSRGV-RDSSL 239
DB 173 YQPIHSEORGRKHQWQSPERPLSLSPERSDSSENEPHLPHGVRSRGV-RDSSL 226
QY 240 VVAFICKLHURGNFLVLKAKEMGLPVGTAAIAPIIAAVKDGKSIHTEGREILABELCTP 299
DB 227 VVAFICKLHURGNFLVLKAKEMGLPVGTAAIAPIIAAVKDGKSIHTEGREILABELCTP 286
QY 300 PDFGAFFVVECPDESFIQICENATFORQYQKADAPVALVHMAPASVLDVSRVQWME 359
DB 287 PDFGLVFIIVVECPDEGFILPICENDTFKRYQAEADAPVALVHMAPASVLDVSRVQWME 346
QY 360 RFQPDQHLVLNENCAVSNLRSHKIQTLNLIHPDIFPLLTSPRCKKEGPTLSVPMVQ 419
DB 347 RFQPDQHLVLNENCAVSNLRSHKIQTLNLIHPDIFPLLTSPRCKKEGPTLSVPMVQ 406
QY 420 ECLLYKQLPRREKQWQDAIITCNPEEFIVEALQLPNFQSQVQYRRAQDGPAPEKRSQ 479
DB 407 ECLLYKSVPRKREKQWQDAIITCNPEEFIVEALQLPNFQSQVQYRRAQDGPAPEKRSQ 466
QY 480 YPIHIFLGTGSAIPMKIRNVSTLNLSPDKSVLDCGEGTFQLCRYHGGQIDRVLCSL 539
DB 467 YPIHIFLGTGSAIPMKIRNVSTLNLSPDKSVLDCGEGTFQLCRYHGGQIDRVLCSL 526
QY 540 AAVFVSHLHADHTGLPSILLQREHALASLGKPFQPLLVVAPTQLRAWLQQYHNCQEIL 599
DB 527 AAVFVSHLHADHTGLPSILLQREHALASLGKPFQPLLVVAPTQLRAWLQQYHNCQEIL 586
QY 600 HHISMIPAKCLOEGABISSPAVERLISLRTCDLEEFQTCVLRCKHAFGALVHTSGW 659
DB 587 HHISMIPAKCLOEGABISSPAVERLISLRTCDLEEFQTCVLRCKHAFGALVHTSGW 646
QY 660 KVVYSGDTWPCALVQMGKDATLLIHEATLEDGLBEEAVEKTHSTTSQAISVGMENNAEF 719
DB 647 KVVYSGDTWPCALVQMGKDATLLIHEATLEDGLBEEAVEKTHSTTSQAISVGMENNAEF 706

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Db 195 -----DS-----GNKSGDLSVVVVVCELPILGKFDLEKAKKVFYGVK 230  
Qy 266 VGTAAIAPITAAVKGKSIITHEGREILA--EELCTPPDGAAPVVECPDEFIQPICEN 323  
Db 231 PG-----PKYSRLOSSESVDKSDERTIVHPSDVWGSFPGPIVLLVDCPTESHAELFSL 285  
Qy 324 ATFORVOGKADAP-----VALVVMAPASVLVDSRYQQMMERFPGDPTQHLV----- 369  
Db 286 KSLESYSSPDEQITGAKFVNCIIHLSPPSVTSPTYSQWMMKXFL--TQHILAGHQRFPL 344  
Qy 370 -----LNENCASVHNLRSKHTQTLNLHDPILFLLTSFRCKEGPFLSPVMVQ 419  
Db 345 LLIIVSHQKTVRKNMAPPILKASSIAARLNYLCPOFFPAGFWPMSQLTNSIIDTPSN 404  
Qy 420 ECLLKQYLRP--BREWQDAIITCNPEEFIVEAL--QLENFOQSVQVEYR--SAQDGPAP 473  
Db 405 ----KFNLRPVAIRGIDRSCIPAPLTSSEVVDELLSEIPEIKDSEIKQFWNKQHNKTI 460  
Qy 474 AEK-----RSQYPEIIFLGTSALPMKIRNVSATLVNISPDTSLLDC 516  
Db 461 IEKWLSECNVLPNCLEKIRDDMBEIVILGTSSQPSKYRNVSATFIDLFRGSLLLDC 520  
Qy 517 GEGTFQGLCRHYG--DOVDRVLGTLAAVVFVSHLHADHTGLPSILLQERALASLGKPLHP 575  
Db 521 GEGTLGQLKERYGLDGADEAVRKLRCIWIHSHIHADHTGLARILALRSKLLK--GVTHEP 578  
Qy 576 LLVAPNQLKAMLQQYHNCQVEVLHHISMPAKC-----LOEGABI-----SS 618  
Db 579 VIVVGRPLKRFDAYQR-----LEDLMEFLDCRSTTATSWASLESAGEAGSLFTQGS 633  
Qy 619 PAVE-----RLISSLLRTCDLEEFQCLVRHCKHAFGCALVHTS--- 657  
Db 634 PQMSVFKRSDISMNDSVLLCLXNLKVLSEIGLNDLISFPVHCPQAGVVIKAAERNV 693  
Qy 658 -----GMKVYSGDTPMCEALVRMGKDATLLIHEATLEDGLEBEAEVKTSTTSQAIS 710  
Db 694 SVGEQILGWKMYSGDSRCPETVEASRDATILIEATPEDALIEALAKNHSHTTKEAID 753  
Qy 711 VGMEMNAEFTMLNHSORVAKVPLFSPNFSEKVGVAFDHMKVCFGDFPTMPKLIPLKAL 770  
Db 754 VGSAAVYRIVLTHFSQRYKPIVIDESHMNTCIAFDLMSINMADLHVLPKVLFPFKTL 813  
Qy 771 FAGDIEEMEE 780  
Db 814 FRDEMVEDED 823

## RESULT 15

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; APPLICANT: Tavtigian, Sean W.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
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; TYPE: PRT

; ORGANISM: Arabidopsis thaliana  
US-09-988-687-228  
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Best Local Similarity 29.4%; Pred. No. 1.1e-74;  
Matches 250; Conservative 128; Mismatches 297; Indels 175; Gaps 28;  
Qy 41 RTRKRGPSGSGGNPTV-YLQVVAAG--SRDGAALYVFSEFNRYLFNCGEGVQRLMQE 97  
Db 39 RKSQKLANPT-----NIIAQAIIIGTGMOTDISSVLLFFDKORFIINAGELQRFCTE 92  
Qy 98 HKLKVARDNIFLTRMHSNWVGLSGMILTK---ETGLPKCVLSGPPQLEKYLEIKIF 154  
Db 93 HKIKSLKIDHVFISVCSSETAGGLPGLLLTAGIEGLSVNYM--GPSDLNLYLVDAMKSF 151  
Qy 155 SGPLKGIEL-AVRPHSAPE---YEDETMTVYQI---PIHSEQRGKQHPQWQSPERPLSR 206  
Db 152 IPRAAMVHTRSPGSPSTPDPVILVNDVVKISAILKPCHEE----- 194  
Qy 207 LSPERSDSESNENEPHPLPHGVQRRGVRDSSLVAFICKLHLKRGNFVLVKAEM--GLP 265  
Db 195 -----DS-----GNKSGDLSVVVVVCELPILGKFDLEKAKKVFYGVK 230  
Qy 266 VGTAAIAPITAAVKGKSIITHEGREILA--EELCTPPDGAAPVVECPDEFIQPICEN 323  
Db 231 PG-----PKYSRLOSSESVDKSDERTIVHPSDVWGSFPGPIVLLVDCPTESHAELFSL 285  
Qy 324 ATFORVOGKADAP-----VALVVMAPASVLVDSRYQQMMERFPGDPTQHLV----- 369  
Db 286 KSLESYSSPDEQITGAKFVNCIIHLSPPSVTSPTYSQWMMKXFL--TQHILAGHQRFPL 344  
Qy 370 -----LNENCASVHNLRSKHTQTLNLHDPILFLLTSFRCKEGPFLSPVMVQ 419  
Db 345 LLIIVSHQKTVRKNMAPPILKASSIAARLNYLCPOFFPAGFWPMSQLTNSIIDTPSN 404  
Qy 420 ECLLKQYLRP--BREWQDAIITCNPEEFIVEAL--QLENFOQSVQVEYR--SAQDGPAP 473  
Db 405 ----KFNLRPVAIRGIDRSCIPAPLTSSEVVDELLSEIPEIKDSEIKQFWNKQHNKTI 460  
Qy 474 AEK-----RSQYPEIIFLGTSALPMKIRNVSATLVNISPDTSLLDC 516  
Db 461 IEKWLSECNVLPNCLEKIRDDMBEIVILGTSSQPSKYRNVSATFIDLFRGSLLLDC 520  
Qy 517 GEGTFQGLCRHYG--DOVDRVLGTLAAVVFVSHLHADHTGLPSILLQERALASLGKPLHP 575  
Db 521 GEGTLGQLKERYGLDGADEAVRKLRCIWIHSHIHADHTGLARILALRSKLLK--GVTHEP 578  
Qy 576 LLVAPNQLKAMLQQYHNCQVEVLHHISMPAKC-----LOEGABI-----SS 618  
Db 579 VIVVGRPLKRFDAYQR-----LEDLMEFLDCRSTTATSWASLESAGEAGSLFTQGS 633  
Qy 619 PAVE-----RLISSLLRTCDLEEFQCLVRHCKHAFGCALVHTS--- 657  
Db 634 PQMSVFKRSDISMNDSVLLCLXNLKVLSEIGLNDLISFPVHCPQAGVVIKAAERNV 693  
Qy 658 -----GMKVYSGDTPMCEALVRMGKDATLLIHEATLEDGLEBEAEVKTSTTSQAIS 710  
Db 694 SVGEQILGWKMYSGDSRCPETVEASRDATILIEATPEDALIEALAKNHSHTTKEAID 753  
Qy 711 VGMEMNAEFTMLNHSORVAKVPLFSPNFSEKVGVAFDHMKVCFGDFPTMPKLIPLKAL 770  
Db 754 VGSAAVYRIVLTHFSQRYKPIVIDESHMNTCIAFDLMSINMADLHVLPKVLFPFKTL 813  
Qy 771 FAGDIEEMEE 780  
Db 814 FRDEMVEDED 823

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